



CHAPTER 7

Support Information for Cisco Switches

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco switches in Cisco Prime Network 3.9.

This chapter contains the following topics:

- [Cisco Catalyst 1900 Series Switches, page 7-2](#)
- [Cisco Catalyst 2900 Series Switches, page 7-3](#)
- [Cisco ME 3400 Series Ethernet Access Switches, page 7-6](#)
- [Cisco Catalyst 3500 XL Series Switches, page 7-9](#)
- [Cisco Catalyst 3550 Series Switches, page 7-12](#)
- [Cisco Catalyst 3560 Series Switches, page 7-14](#)
- [Cisco Catalyst 3750 Series Switches, page 7-17](#)
- [Cisco Catalyst 3750 Metro Series Switches, page 7-19](#)
- [Cisco Catalyst 4000 Series Switches, page 7-22](#)
- [Cisco Catalyst 4500 Series Switches, page 7-26](#)
- [Cisco Catalyst 4900 Series Switches, page 7-34](#)
- [Cisco ME 4900 Series Ethernet Switch, page 7-43](#)
- [Cisco Catalyst 5000 Series Switches, page 7-49](#)
- [Cisco Catalyst 6500 Series \(CatOS\) Switches, page 7-51](#)
- [Cisco Catalyst 6500 Series \(IOS\) Switches, page 7-56](#)
- [Cisco ME 6500 Series Ethernet Switches \(6524\), page 7-69](#)
- [Cisco ME 3600X Ethernet Access Switch, page 7-72](#)
- [Cisco ME 3800X Carrier Ethernet Switches, page 7-75](#)
- [Cisco Nexus 7000 Series Switches, page 7-79](#)
- [Cisco Nexus 5000 Series Switches, page 7-82](#)
- [Cisco Nexus 1000 Series Switches, page 7-84](#)
- [Cisco ACE 4700 Series Access Control Engine, page 7-85](#)
- [Cisco Service Control Engines, page 7-90](#)
- [Supported Technologies on Cisco Switches, page 7-92](#)

**Note**

For more information about the technologies described in this chapter, see Part 2 Technology Support.

Cisco Catalyst 1900 Series Switches

This section includes the following information about Catalyst 1900 switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 1900 Series Switches](#)):

- [Catalyst 1900—Supported Software Versions](#), page 7-2
- [Catalyst 1900—Supported Topologies](#), page 7-2
- [Catalyst 1900—Supported Technologies](#), page 7-2
- [Catalyst 1900—Supported Service Events](#), page 7-3

Catalyst 1900—Supported Software Versions

Table 7-1 Supported Software Versions for Catalyst 1900—Cisco Prime Network 3.9

Software Version	Product_Version
CatOS 9.00.04	3.7
CatOS 9.00.06	3.7

Catalyst 1900—Supported Topologies

Table 7-2 Supported Topologies for Catalyst 1900—Cisco Prime Network 3.9

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.7
Physical Layer	Physical Layer	3.7
LAG	LAG	3.7

Catalyst 1900—Supported Technologies

The following technologies are supported by the Catalyst 1900 in Cisco Prime Network 3.9:

- [IP](#), page 7-92
- [Ethernet](#), page 7-99
- [Hardware](#), page 7-124
- [Serial](#), page 7-127
- [CDP](#), page 7-132
- [Discovery Protocol](#), page 7-132

Catalyst 1900—Supported Service Events

Table 7-3 *Supported Service Events for Catalyst 1900—Cisco Prime Network 3.9*

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.7	Y
All IP Interfaces Down	3.7	Y
BGP process up	3.7	N
Card Down	3.7	Y
Card Up	3.7	Y
CPU utilization exceeded upper threshold	3.7	N
Device Unsupported	3.7	N
Layer 2 Tunnel Down	3.7	N
Link up	3.7	N
Memory utilization exceeded upper threshold	3.7	N
Module Unsupported	3.7	N
MPLS Black Hole found	3.7	N
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Catalyst 2900 Series Switches

This section includes the following information about Cisco Catalyst 2900 Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 2900 Series Switches](#)):

- [Cisco Catalyst 2900 Series—Supported Software Versions, page 7-4](#)
- [Cisco Catalyst 2900 Series—Supported Topologies, page 7-4](#)
- [Cisco Catalyst 2900 Series—Supported Modules, page 7-4](#)
- [Cisco Catalyst 2900 Series—Supported Technologies, page 7-5](#)
- [Cisco Catalyst 2900 Series—Supported Service Events, page 7-5](#)

Cisco Catalyst 2900 Series—Supported Software Versions

Table 7-4 *Supported Software Versions for Cisco Catalyst 2900 Series—Cisco Prime Network 3.9*

Software Version	Product_Version
12.0(5)WC17	3.6.2
12.1(22)EA8	3.6.2
12.1(22)EA8a	3.6.2
12.2(25)FX	3.6.0
12.2(25)SEE2	3.7.1
12.2(25)SEE3	3.7.1
CatOS 9.00.04	3.6.0

Cisco Catalyst 2900 Series—Supported Topologies

Table 7-5 *Supported Topologies for Cisco Catalyst 2900 Series—Cisco Prime Network 3.9*

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.0

Cisco Catalyst 2900 Series—Supported Modules

Table 7-6 *Supported Modules for Cisco Catalyst 2900 Series—Cisco Prime Network 3.9*

Module Name	Product_Version	Module Description
WS-C2912-XL	3.6.0	12 fixed autosensing 10/100 ports
WS-C2924M-XL	3.6.0	24 fixed autosensing 10/100 ports 2 expansion slots
WS-C2948G	3.6.0	48 10/100 ports and 2 fixed, gigabit interface converter (GBIC)-based 1000BASE-X uplink ports 1.5 RU switch Catalyst OS installed
WS-X2948	3.6.0	Switching Supervisor

Cisco Catalyst 2900 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 2900 Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Ethernet, page 7-99](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

Cisco Catalyst 2900 Series—Supported Service Events

Table 7-7 *Supported Service Events for Cisco Catalyst 2900 Series—Cisco Prime Network 3.9*

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.0	Y
All IP Interfaces Down	3.6.0	Y
BGP process up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link up	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N
Module Unsupported	3.6.0	N
MPLS Black Hole found	3.6.0	N
rep port role change	Prime Network 3.8	Y
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N

Table 7-7 Supported Service Events for Cisco Catalyst 2900 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
power-supply down	Prime Network 3.8	N

Cisco ME 3400 Series Ethernet Access Switches

This section includes the following information about Cisco ME 3400 Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco ME 3400 Series Ethernet Access Switches](#)):

- [Cisco ME 3400 Series—Supported Software Versions](#), page 7-6
- [Cisco ME 3400 Series—Supported Topologies](#), page 7-7
- [Cisco ME 3400 Series—Supported Modules](#), page 7-7
- [Cisco ME 3400 Series—Supported Technologies](#), page 7-8
- [Cisco ME 3400 Series—Supported Service Events](#), page 7-9

Cisco ME 3400 Series—Supported Software Versions

Table 7-8 Supported Software Versions for Cisco ME 3400 Series—Cisco Prime Network 3.9

Software Version	Product_Vers ion
12.2(0.0.48)EY	3.6.5 ¹
12.2(25)SEG	3.6.1
12.2(35)SE	3.6.1 ²
12.2(35)SE1	3.6.1 ³
12.2(35)SE3	3.6.1 ⁴
12.2(35)SE4	3.6.4 ⁵
12.2(37)SE	3.6.3 ⁶
12.2(37)SE1	3.6.4 ⁷
12.2(44)EY	3.6.5 ⁸
12.2(44)EY4	3.6.5 ⁹
12.2(44)SE	3.6.3 ¹⁰
12.2(44)SE1	3.6.4 ¹¹
12.2(46)SE	3.6.4 ¹²
12.2(50)SE	3.6.6 ¹³
12.2(50)SE1	3.7 ¹⁴
12.2(52)SE	3.6.7 ¹⁵

Table 7-8 Supported Software Versions for Cisco ME 3400 Series—Cisco Prime Network 3.9

Software Version	Product_Version
12.2(53)SE	3.7 ¹⁶
12.3(22)S	3.6.1 ¹⁷
12.3(23)	3.6.1 ¹⁸
12.3(23)S1	3.6.1 ¹⁹
12.3(23)S2	3.6.1 ²⁰
12.3(23)S3	3.6.1 ²¹
12.2(54)SE	3.7.1
12.2(55)SE	3.7.1.0.4 ²²
12.2(58)SE	3.7.2-DP-3.0
12.2(58)SE1	3.7.X-DP-6.0
12.2(58)SE2	3.7.X-DP-7.0
12.2(58)EX	Cisco-ANA-3.7.x-DP15, Cisco-ANA-3.8-DP6

1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 17, 18, 19, 20, 21, 22 ANA models pluggable ports for this IOS version.

⁹Tested with modified version of 12.2(44)EY ANA models pluggable ports for this IOS version.

¹⁴, ¹⁵, ¹⁶ANA recognizes all maintenance builds in this IOS release train. ANA models pluggable ports for this IOS version.

Cisco ME 3400 Series—Supported Topologies

Table 7-9 Supported Topologies for Cisco ME 3400 Series—Cisco Prime Network 3.9

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.6.5
Physical Layer	Physical Layer	3.6.5

Cisco ME 3400 Series—Supported Modules

Table 7-10 Supported Modules for Cisco ME 3400 Series—Cisco Prime Network 3.9

Module Name	Product_Version	Module Description
GLC-EX-SMD	3.6.7	1000BASE-EX extended SFP transceiver module

Table 7-10 Supported Modules for Cisco ME 3400 Series—Cisco Prime Network 3.9 (continued)

Module Name	Product_V ersion	Module Description
GLC-FE-100FX	3.6.7	100BaseFX-SFP module for 100 MB ports,1310 -nm wavelenght ,2 Km over MMF
GLC-FE-100LX	3.6.7	100BaseLX10-SFP module for 100 MB ports,1310 -nm wavelenght ,10 Km over SMF
GLC-LH-SM	3.6.4	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength
GLC-ZX-SM	3.7	Contains a Class 1 laser of 1550 nm for 1000BASE-ZX (extended wavelength) applications
ME340X-PWR-AC	3.6.7	AC power supply and fan module for ME-3400E-24TS-M and ME-3400EG-12CS-M
SFP-GE-L	3.6.4	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support
SFP-GE-S	3.6.7	1000BASE-Sx Short wavelength gigabit ethernet SFP.
SFP-GE-Z	3.6.7	1000BASE-Zx Extended reach gigabit ethernet SFP.
GLC-BX-D	3.7.1	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength
GLC-BX-U	3.7.1	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength

Cisco ME 3400 Series—Supported Technologies

The following technologies are supported by the Cisco ME 3400 Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [Additional Technologies, page 7-128](#)
- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)
- [Ethernet OAM, page 7-133](#)

Cisco ME 3400 Series—Supported Service Events

Table 7-11 Supported Service Events for Cisco ME 3400 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.1	Y
All IP Interfaces Down	3.6.1	Y
Card Down	3.6.1	Y
Card Up	3.6.1	Y
CPU utilization exceeded upper threshold	3.6.1	N
Device Unsupported	3.6.1	Y
Link down due to admin down	3.6.1	N
Link down due to oper down	3.6.1	N
Link up	3.6.1	N
Memory utilization exceeded upper threshold	3.6.1	N
Module Unsupported	3.6.1	Y
MPLS Black Hole found	3.6.1	N
Pluggable transceiver out	Prime Network 3.8	N
Rep port role change	Prime Network 3.8	Y

Cisco Catalyst 3500 XL Series Switches

This section includes the following information about Cisco Catalyst 3500 XL Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 3500 XL Series Switches](#)):

- [Cisco Catalyst 3500 XL Series—Supported Software Versions](#), page 7-10
- [Cisco Catalyst 3500 XL Series—Supported Topologies](#), page 7-10
- [Cisco Catalyst 3500 XL Series—Supported Modules](#), page 7-10
- [Cisco Catalyst 3500 XL Series—Supported Technologies](#), page 7-10
- [Cisco Catalyst 3500 XL Series—Supported Service Events](#), page 7-11

Cisco Catalyst 3500 XL Series—Supported Software Versions

Table 7-12 *Supported Software Versions for Cisco Catalyst 3500 XL Series—Cisco Prime Network 3.9*

Software Version	Product_Version
Cat IOS 12.0(5)WC9a	3.6.0

Cisco Catalyst 3500 XL Series—Supported Topologies

Table 7-13 *Supported Topologies for Cisco Catalyst 3500 XL Series—Cisco Prime Network 3.9*

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco Catalyst 3500 XL Series—Supported Modules

Table 7-14 *Supported Modules for Cisco Catalyst 3500 XL Series—Cisco Prime Network 3.9*

Module Name	Product_Version	Module Description
C3K-BLWR-60CFM	3.6.4	Fan Module for the Catalyst 3750-E and 3560-E Series

Cisco Catalyst 3500 XL Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3500 XL Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Ethernet, page 7-99](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

Cisco Catalyst 3500 XL Series—Supported Service Events

Table 7-15 *Supported Service Events for Cisco Catalyst 3500 XL Series—Cisco Prime Network 3.9*

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.0	Y
All IP Interfaces Down	3.6.0	Y
BGP process up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link up	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N
Module Unsupported	3.6.0	N
MPLS Black Hole found	3.6.0	N
Rx utilization exceeded upper threshold	3.6.0	N
Tx utilization exceeded upper threshold	3.6.0	N
rep port role change	Prime Network 3.8	Y
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Catalyst 3550 Series Switches

This section includes the following information about Cisco Catalyst 3550 Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 3550 Series Switches](#)):

- [Cisco Catalyst 3550 Series—Supported Software Versions](#), page 7-12
- [Cisco Catalyst 3550 Series—Supported Topologies](#), page 7-12
- [Cisco Catalyst 3550 Series—Supported Technologies](#), page 7-13
- [Cisco Catalyst 3550 Series—Supported Service Events](#), page 7-13

Cisco Catalyst 3550 Series—Supported Software Versions

Table 7-16 *Supported Software Versions for Cisco Catalyst 3550 Series—Cisco Prime Network 3.9*

Software Version	Product_Version
12.1(11)EA	3.6.1
12.1(12c)EA1	3.6.1
12.1(13)EA	3.6.1
12.1(14)AX3	3.6.1
12.1(14)EA1	3.6.1
12.1(19)EA	3.6.1
12.1(20)EA	3.6.1
12.1(22)EA	3.6.1
12.1(22)EA6	3.6.1
12.1(22)EA8a	3.6.1

Cisco Catalyst 3550 Series—Supported Topologies

Table 7-17 *Supported Topologies for Cisco Catalyst 3550 Series—Cisco Prime Network 3.9*

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.0

Cisco Catalyst 3550 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3550 Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Ethernet, page 7-99](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [Additional Technologies, page 7-128](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

Cisco Catalyst 3550 Series—Supported Service Events

Table 7-18 Supported Service Events for Cisco Catalyst 3550 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.0	Y
All IP Interfaces Down	3.6.0	Y
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.6.0	N
IMA Operationally down	3.6.0	N
Link down due to admin down	3.6.0	N
Link down due to oper down	3.6.0	N
Link up	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N
MLPPP Up	3.6.0	N
Module Unsupported	3.6.0	N
MPLS Black Hole found	3.6.0	N
rep port role change	Prime Network 3.8	Y
fan-tray down	Prime Network 3.8	N

Table 7-18 Supported Service Events for Cisco Catalyst 3550 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Catalyst 3560 Series Switches

This section includes the following information about Cisco Catalyst 3560 Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 3560 Series Switches](#)):

- [Cisco Catalyst 3560 Series—Supported Software Versions](#), page 7-14
- [Cisco Catalyst 3560 Series—Supported Topologies](#), page 7-15
- [Cisco Catalyst 3560 Series—Supported Modules](#), page 7-15
- [Cisco Catalyst 3560 Series—Supported Technologies](#), page 7-16
- [Cisco Catalyst 3560 Series—Supported Service Events](#), page 7-16

Cisco Catalyst 3560 Series—Supported Software Versions

Table 7-19 Supported Software Versions for Cisco Catalyst 3560 Series—Cisco Prime Network 3.9

Software Version	Product_Vers ion
12.1(13)EA1a	3.6.0
12.1(14)EA1a	3.6.0
12.1(22)EA1	3.6.2
12.1(22)EA5	3.6.1
12.1(22)EA8a	3.6.1
12.1(25)EW	3.6.0
12.1(6)EA1a	3.6.0
12.2(25)SEC	3.6.2
12.2(25)SEC2	3.6.2
12.2(25)SED	3.6.0
12.2(25)SEE2	3.6.1

Table 7-19 **Supported Software Versions for Cisco Catalyst 3560 Series—Cisco Prime Network 3.9 (continued)**

Software Version	Product_Version
12.2(53)SE2	ANA3.8.X-D P6, ANA3.7.X-D P15

Cisco Catalyst 3560 Series—Supported Topologies

Table 7-20 **Supported Topologies for Cisco Catalyst 3560 Series—Cisco Prime Network 3.9**

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.0

Cisco Catalyst 3560 Series—Supported Modules

Table 7-21 **Supported Modules for Cisco Catalyst 3560 Series—Cisco Prime Network 3.9**

Module Name	Product_Version	Module Description
C3K-BLWR-60CFM	3.6.4	Fan Module for the Catalyst 3750-E and 3560-E Series
WS-C3560-24PS	3.6.1	24 Ethernet 10/100 ports and 2 SFP-based Gigabit Ethernet ports
WS-C3560-48PS	3.6.0	48 Ethernet 10/100 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560-48TS	3.6.2	48 Ethernet 10/100 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-24PS	3.6.1	24 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-24TS	3.6.1	24 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-48PS	3.6.1	48 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports
WS-C3560G-48TS	3.6.0	48 Ethernet 10/100/1000 ports and 4 SFP-based Gigabit Ethernet ports

Cisco Catalyst 3560 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3560 Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [VPN \(VRF\), page 7-120](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [Additional Technologies, page 7-128](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

Cisco Catalyst 3560 Series—Supported Service Events

Table 7-22 *Supported Service Events for Cisco Catalyst 3560 Series—Cisco Prime Network 3.9*

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.0	Y
All IP Interfaces Down	3.6.0	Y
BGP process up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.6.0	N
Keepalive configured	3.6.0	N
Keepalive not configured	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link up	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N
Module Unsupported	3.6.0	N
MPLS Black Hole found	3.6.0	N
Rx utilization exceeded upper threshold	3.6.0	N
Tx utilization exceeded upper threshold	3.6.0	N

Table 7-22 Supported Service Events for Cisco Catalyst 3560 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
rep port role change	Prime Network 3.8	Y
pluggable transceiver out	Prime Network 3.8	N
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Catalyst 3750 Series Switches

This section includes the following information about Cisco 3750 Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 3750 Series Switches](#)):

- [Cisco 3750 Series—Supported Software Versions](#), page 7-17
- [Cisco 3750 Series—Supported Topologies](#), page 7-18
- [Cisco 3750 Series—Supported Modules](#), page 7-18
- [Cisco 3750 Series—Supported Technologies](#), page 7-18
- [Cisco 3750 Series—Supported Service Events](#), page 7-19

Cisco 3750 Series—Supported Software Versions

Table 7-23 Supported Software Versions for Cisco 3750 Series—Cisco Prime Network 3.9

Software Version	Product_Vers ion
12.2(25)EY3	3.6.0
12.2(25)SEC2	3.6.2
12.2(52)SE	3.6.7
12.2(50)SE	3.6.7
12.2(53)SE2	ANA3.8.X-D P6, ANA3.7.X-D P15

Cisco 3750 Series—Supported Topologies

Table 7-24 Supported Topologies for Cisco 3750 Series—Cisco Prime Network 3.9

Topology Type	Link Type	Product_V ersion
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco 3750 Series—Supported Modules

Table 7-25 Supported Modules for Cisco 3750 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
C3KX-NM-10G	ANA3.8. X-DP6, ANA3.7. X-DP15	Two 10GbE SFP+ ports network module with four physical ports with two SFP+ and two regular SFP ports
C3KX-PWR-350WAC	ANA3.8. X-DP6, ANA3.7. X-DP15	350W AC power supply

Cisco 3750 Series—Supported Technologies

The following technologies are supported by the Cisco 3750 Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Ethernet, page 7-99](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

Cisco 3750 Series—Supported Service Events

Table 7-26 Supported Service Events for Cisco 3750 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.0	Y
All IP Interfaces Down	3.6.0	Y
BGP process up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link up	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N
Module Unsupported	3.6.0	N
MPLS Black Hole found	3.6.0	N
Rx utilization exceeded upper threshold	3.6.0	N
Tx utilization exceeded upper threshold	3.6.0	N
rep port role change	Prime Network 3.8	Y

Cisco Catalyst 3750 Metro Series Switches

This section includes the following information about Cisco Catalyst 3750 Metro Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 3750 Metro Series Switches](#)):

- [Cisco Catalyst 3750 Metro Series—Supported Software Versions](#), page 7-20
- [Cisco Catalyst 3750 Metro Series—Supported Topologies](#), page 7-20
- [Cisco Catalyst 3750 Metro Series—Supported Modules](#), page 7-21
- [Cisco Catalyst 3750 Metro Series—Supported Technologies](#), page 7-21
- [Cisco Catalyst 3750 Metro Series—Supported Service Events](#), page 7-22

Cisco Catalyst 3750 Metro Series—Supported Software Versions

Table 7-27 *Supported Software Versions for Cisco Catalyst 3750 Metro Series—Cisco Prime Network 3.9*

Software Version	Product_Version
12.2(25)EY*	3.6.3 ¹
12.2(25)EY3	3.6.3 ²
12.2(25)SEB4	3.6.3 ³
12.2(25)SEG1	3.6.3 ⁴
12.2(35)SE	3.6.3 ⁵
12.2(37)SE*	3.6.3 ⁶
12.2(37)SE1	3.6.3 ⁷
12.2(40)SE	3.6.3 ⁸
12.2(44)SE1	3.6.3 ⁹
12.2(46)SE	3.6.4 ¹⁰
12.2(50)SE	3.6.6 ¹¹
12.2(52)SE	3.6.7 ¹²
12.2(53)SE	3.7 ¹³
12.2(54)SE	3.7.1 ¹⁴
12.2(55)SE	3.7.1.0.4 ¹⁵
12.2(58)SE	3.7.2-DP-3.0
12.2(58)SE1	3.7.X-DP-6.0

1, 2, 3, 4, 5, 6, 7, 8, 9, 10 ANA models pluggable ports for this IOS version.

11, 12, 13, 14, 15 ANA recognizes all maintenance builds in this IOS release train. ANA models pluggable ports for this IOS version.

Cisco Catalyst 3750 Metro Series—Supported Topologies

Table 7-28 *Supported Topologies for Cisco Catalyst 3750 Metro Series—Cisco Prime Network 3.9*

Topology Type	Link Type	Product_Version
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.5
MPLS	MPLS	3.6.0
PPP/HDLC	PPP or HDLC	3.6.0
Physical Layer	Physical Layer	3.6.5

Cisco Catalyst 3750 Metro Series—Supported Modules

Table 7-29 Supported Modules for Cisco Catalyst 3750 Metro Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
CATALYST375024ME	3.6.0	Metro Ethernet Catalyst 3750 Module. 24-10/100 + 2 SFP (Small Formfactor Pluggable) ports for downlinks
GLC-EX-SMD	3.6.7	1000BASE-EX extended SFP transceiver module
GLC-LH-SM	3.6.5	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength
ME-C3750-24TE-FAN 0	3.7 ¹	Fan Module for ME-C3750-24TE
PWR-ME3750-AC	3.7	Primary AC power supply
PWR-ME3750-DC	3.7	Primary DC power supply
SFP-GE-L	3.6.5	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support

¹Tested by John C (Refer bug CSCtg86953)

Cisco Catalyst 3750 Metro Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 3750 Metro Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [MPLS, page 7-116](#)
- [MPLS-TE, page 7-118](#)
- [VPN \(VRF\), page 7-120](#)
- [PWE3, page 7-121](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [Additional Technologies, page 7-128](#)
- [LocalSwitching, page 7-128](#)
- [BFD, page 7-129](#)
- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

- [Ethernet OAM, page 7-133](#)

Cisco Catalyst 3750 Metro Series—Supported Service Events

Table 7-30 *Supported Service Events for Cisco Catalyst 3750 Metro Series—Cisco Prime Network 3.9*

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.0	Y
All IP Interfaces Down	3.6.0	Y
BGP process up	3.6.0	N
Card Down	3.6.0	Y
Card Up	3.6.0	Y
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.6.0	Y
Keepalive configured	3.7	N
Keepalive not configured	3.7	N
Layer 2 Tunnel Down	3.6.0	N
Link up	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N
Module Unsupported	3.6.0	Y
MPLS Black Hole found	3.6.0	N
Pluggable transceiver out	Prime Network 3.8	N
Rep port role change	Prime Network 3.8	Y
Rx utilization exceeded upper threshold	3.6.0	N
Tx utilization exceeded upper threshold	3.6.0	N

Cisco Catalyst 4000 Series Switches

This section includes the following information about Cisco Catalyst 4000 Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 4000 Series Switches](#)):

- [Cisco Catalyst 4000 Series—Supported Software Versions, page 7-23](#)

- [Cisco Catalyst 4000 Series—Supported Topologies, page 7-23](#)
- [Cisco Catalyst 4000 Series—Supported Modules, page 7-23](#)
- [Cisco Catalyst 4000 Series—Supported Technologies, page 7-25](#)
- [Cisco Catalyst 4000 Series—Supported Service Events, page 7-25](#)

Cisco Catalyst 4000 Series—Supported Software Versions

Table 7-31 *Supported Software Versions for Cisco Catalyst 4000 Series—Cisco Prime Network 3.9*

Software Version	Product_Version
IOS 12.1(12c)EW1	3.6.0 ¹
IOS 12.2(20)EWA1	3.6.0 ²
IOS 12.2(25)SG	3.6.0 ³
IOS 12.2(31)SGA2	3.6.2 ⁴
IOS 12.2(50)SG1	3.6.7 ⁵
IOS 12.2(52)SG	3.6.7 ⁶
IOS 12.2(53)SG	3.7 ⁷

^{1,2,3,4}ANA models pluggable ports for this IOS version.

^{5,6,7}ANA recognizes all maintenance builds in this IOS release train. ANA models pluggable ports for this IOS version.

Cisco Catalyst 4000 Series—Supported Topologies

Table 7-32 *Supported Topologies for Cisco Catalyst 4000 Series—Cisco Prime Network 3.9*

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco Catalyst 4000 Series—Supported Modules

Table 7-33 *Supported Modules for Cisco Catalyst 4000 Series—Cisco Prime Network 3.9*

Module Name	Product_Version	Module Description
CWDM-SFP-1470	3.6.0	CWDM SFP 1470 nm, Gigabit Ethernet and 1G/2G FC

Table 7-33 Supported Modules for Cisco Catalyst 4000 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
CWDM-SFP-1490	3.6.0	CWDM SFP 1490 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1510	3.6.0	CWDM SFP 1510 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1530	3.6.0	CWDM SFP 1530 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1550	3.6.0	CWDM SFP 1550 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1570	3.6.0	CWDM SFP 1570 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1590	3.6.0	CWDM SFP 1590 nm, Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1610	3.6.0	CWDM SFP 1610 nm, Gigabit Ethernet and 1G/2G FC
WS-U4504-FX-MT	3.6.0	FE Uplink Daughter Card, 4-port 100FX (MTRJ)
WS-X4014	3.6.0	Catalyst 4006 Supervisor 3, Spare
WS-X4124-FX-MT	3.6.0	FE Switching Module, 24-port 100FX (MTRJ)
WS-X4148-FX-MT	3.6.0	FE Switching Module, 48-100FX MMF (MTRJ)
WS-X4148-RJ	3.6.0	10/100 Fast Ethernet Module, 48 Ports (RJ-45)
WS-X4148-RJ21	3.6.0	Telco switch module, 48-port 10/100 (4xRJ21)
WS-X4148-RJ45V	3.6.0	Inline Power 10/100, 48-port (RJ45)
WS-X4232-GB-RJ	3.6.0	E/FE/GE Module, 2-GE (GBIC), 32-10/100 FE (RJ-45)
WS-X4232-RJ-XX	3.6.0	FE Base Module, 32-10/100(RJ45)+ Modular Uplink slot
WS-X4248-RJ21V	3.6.0	48-port PoE 10/100 BASE-TX switching module
WS-X4248-RJ45V	3.6.0	48-port PoE 10/100BASE-TX switching module
WS-X4302-GB	3.6.0	2-port 1000BASE-X (GBIC) Gigabit Ethernet
WS-X4306-GB	3.6.0	Gigabit Ethernet Module, 6 Ports (GBIC)
WS-X4412-2GB-T	3.6.0	GE Module, 12-1000T (RJ45)+2-1000X (GBIC Slot)
WS-X4418-GB	3.6.0	GE Module, Server Switching 18 Ports (GBIC)
WS-X4424-GB-RJ45	3.6.0	24-port 10/100/1000BASE-T Gigabit Ethernet switching module
WS-X4424-GB-RJ-45	3.6.0	24 port 10/100/1000 Auto-Sensing Module (RJ45)
WS-X4448-GB-LX	3.6.0	48-port 1000BASE-LX (SFP included) Gigabit Ethernet switching module
WS-X4448-GB-RJ45	3.6.0	48 port 10/100/1000 Auto-Sensing Module (RJ45)
WS-X4548-GB-RJ45	3.6.0	48-port Gigabit Ethernet 10/100/1000BASE-T switching module

Table 7-33 Supported Modules for Cisco Catalyst 4000 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
WS-X4548-GB-RJ45V	3.6.0	48-port PoE 10/100/1000BASE-T switching module

Cisco Catalyst 4000 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 4000 Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Ethernet, page 7-99](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

Cisco Catalyst 4000 Series—Supported Service Events

Table 7-34 Supported Service Events for Cisco Catalyst 4000 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.0	Y
All IP Interfaces Down	3.6.0	Y
BGP process up	3.6.0	N
Card Down	3.6.0	Y
Card In	3.6.0	Y
Card Out	3.6.0	Y
Card Up	3.6.0	Y
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.6.0	N
Keepalive configured	3.6.0	N
Keepalive not configured	3.6.0	N
Layer 2 Tunnel Down	3.6.0	N
Link up	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N
Module Unsupported	3.6.0	N
MPLS Black Hole found	3.6.0	N

Table 7-34 Supported Service Events for Cisco Catalyst 4000 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Rx utilization exceeded upper threshold	3.6.0	N
Tx utilization exceeded upper threshold	3.6.0	N
rep port role change	Prime Network 3.8	Y
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Catalyst 4500 Series Switches

This section includes the following information about Cisco Catalyst 4500 Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 4500 Series Switches](#)):

- [Cisco Catalyst 4500 Series—Supported Software Versions, page 7-26](#)
- [Cisco Catalyst 4500 Series—Supported Topologies, page 7-27](#)
- [Cisco Catalyst 4500 Series—Supported Modules, page 7-28](#)
- [Cisco Catalyst 4500 Series—Supported Technologies, page 7-32](#)
- [Cisco Catalyst 4500 Series—Supported Service Events, page 7-33](#)

Cisco Catalyst 4500 Series—Supported Software Versions

Table 7-35 Supported Software Versions for Cisco Catalyst 4500 Series—Cisco Prime Network 3.9

Software Version	Product_Vers ion
12.1(13)EW	3.6.0
12.2(20)EWA	3.6.0 ¹
12.2(25)EWA14	3.6.6 ²
12.2(31)SGA2	3.6.2 ³

Table 7-35 **Supported Software Versions for Cisco Catalyst 4500 Series—Cisco Prime Network 3.9 (continued)**

Software Version	Product_Version
12.2(50)SG1	3.6.7 ⁴
12.2(52)SG	3.6.6 ⁵
12.2(52)XO	3.6.7 ⁶
12.2(53)SG	3.7 ⁷
12.1(12c)EW1	3.6.0 ⁸
12.2(20)EWA1	3.6.0 ⁹
12.2(25)SG	3.6.0 ¹⁰
12.2(54)SG	3.7.1
12.2(53)SG1	3.7.1
12.2(53)SG2	3.7.1
12.2(53)SG3	ANA-3.7.2-D P1
12.2(53)SG4	ANA-3.7.2-D P2
15.0(2)SG	ANA-3.7.2-D P4
3.2.0SG	ANA-3.7.2-D P4

^{1, 2, 3, 6, 8, 9, 10}ANA models pluggable ports for this IOS version.

^{4, 5, 7}ANA recognizes all maintenance builds in this IOS release train. ANA models pluggable ports for this IOS version.

Cisco Catalyst 4500 Series—Supported Topologies

Table 7-36 **Supported Topologies for Cisco Catalyst 4500 Series—Cisco Prime Network 3.9**

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.6.0
Framerelay	Framerelay	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco Catalyst 4500 Series—Supported Modules

Table 7-37 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
CWDM-SFP-1550	3.7	CWDM 1550 NM SFP Gigabit Ethernet and 1G/2G FC
DWDM-X2-30.33=	3.7	10GBASE-DWDM 1530.33 nm X2 (100-GHz ITU grid)
DWDM-X2-31.12=	3.7	10GBASE-DWDM 1531.12 nm X2 (100-GHz ITU grid)
DWDM-X2-31.90=	3.7	10GBASE-DWDM 1531.90 nm X2 (100-GHz ITU grid)
DWDM-X2-32.68=	3.7	10GBASE-DWDM 1532.68 nm X2 (100-GHz ITU grid)
DWDM-X2-34.25=	3.7	10GBASE-DWDM 1534.25 nm X2 (100-GHz ITU grid)
DWDM-X2-35.04=	3.7	10GBASE-DWDM 1535.04 nm X2 (100-GHz ITU grid)
DWDM-X2-35.82=	3.7	10GBASE-DWDM 1535.82 nm X2 (100-GHz ITU grid)
DWDM-X2-36.61=	3.7	10GBASE-DWDM 1536.61 nm X2 (100-GHz ITU grid)
DWDM-X2-38.19=	3.7	10GBASE-DWDM 1538.19 nm X2 (100-GHz ITU grid)
DWDM-X2-38.98=	3.7	10GBASE-DWDM 1538.98 nm X2 (100-GHz ITU grid)
DWDM-X2-39.77=	3.7	10GBASE-DWDM 1539.77 nm X2 (100-GHz ITU grid)
DWDM-X2-40.56=	3.7	10GBASE-DWDM 1540.56 nm X2 (100-GHz ITU grid)
DWDM-X2-42.14=	3.7	10GBASE-DWDM 1542.14 nm X2 (100-GHz ITU grid)
DWDM-X2-42.94=	3.7	10GBASE-DWDM 1542.94 nm X2 (100-GHz ITU grid)
DWDM-X2-43.73=	3.7	10GBASE-DWDM 1543.73 nm X2 (100-GHz ITU grid)
DWDM-X2-44.53=	3.7	10GBASE-DWDM 1544.53 nm X2 (100-GHz ITU grid)
DWDM-X2-46.12=	3.7	10GBASE-DWDM 1546.12 nm X2 (100-GHz ITU grid)
DWDM-X2-46.92=	3.7	10GBASE-DWDM 1546.92 nm X2 (100-GHz ITU grid)

Table 7-37 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
DWDM-X2-47.72=	3.7	10GBASE-DWDM 1547.72 nm X2 (100-GHz ITU grid)
DWDM-X2-48.51=	3.7	10GBASE-DWDM 1548.51 nm X2 (100-GHz ITU grid)
DWDM-X2-50.12=	3.7	10GBASE-DWDM 1550.12 nm X2 (100-GHz ITU grid)
DWDM-X2-50.92=	3.7	10GBASE-DWDM 1550.92 nm X2 (100-GHz ITU grid)
DWDM-X2-51.72=	3.7	10GBASE-DWDM 1551.72 nm X2 (100-GHz ITU grid)
DWDM-X2-52.52=	3.7	10GBASE-DWDM 1552.52 nm X2 (100-GHz ITU grid)
DWDM-X2-54.13=	3.7	10GBASE-DWDM 1554.13 nm X2 (100-GHz ITU grid)
DWDM-X2-54.94=	3.7	10GBASE-DWDM 1554.94 nm X2 (100-GHz ITU grid)
DWDM-X2-55.75=	3.7	10GBASE-DWDM 1555.75 nm X2 (100-GHz ITU grid)
DWDM-X2-56.55=	3.7	10GBASE-DWDM 1556.55 nm X2 (100-GHz ITU grid)
DWDM-X2-58.17=	3.7	10GBASE-DWDM 1558.17 nm X2 (100-GHz ITU grid)
DWDM-X2-58.98=	3.7	10GBASE-DWDM 1558.98 nm X2 (100-GHz ITU grid)
DWDM-X2-59.79=	3.7	10GBASE-DWDM 1559.79 nm X2 (100-GHz ITU grid)
DWDM-X2-60.61=	3.7	10GBASE-DWDM 1560.61 nm X2 (100-GHz ITU grid)
GLC-BX-D	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength.
GLC-BX-U	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength, single LC/PC connector
GLC-FE-100BX-D	3.7	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength, single LC/PC connector
GLC-FE-100BX-U	3.7	100BASE-BX10-U SFP
GLC-FE-100FX	3.7	100BASE-FX SFP for FE port
GLC-FE-100LX	3.7	100BASE-LX SFP for FE port
GLC-FE-100ZX	3.7	100BASE-ZX SFP module for 100-MB ports, and 1550 nm wavelength, 80 km over SMF.

Table 7-37 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
GLC-LH-SM	3.6.7	Transceiver module - SFP - Gigabit EN - 1000Base-LX, 1000Base-LH - 1300 nm
GLC-SX-MM	3.7	Transceiver module - SFP - Gigabit EN - 1000Base-SX - 850 nm
GLC-ZX-SM	3.6.7	1000BASE-ZX SFP
PWR-C45-1300ACV	3.6.4	Cisco Catalyst 4500 Series 1300W AC power supply (with integrated PoE)
PWR-C45-1400DC	3.6.7	Cisco Catalyst 4500 Series triple input 1400W DC power supply (data only)
PWR-C45-1400DC-P	3.7	Cisco Catalyst 4500 Series 1400W DC power supply with integrated power entry module (PEM)
PWR-C45-2800ACV	3.6.7	Cisco Catalyst 4500 Series 2800W AC power supply (with integrated PoE)
WS-G5483	3.7	Cisco Catalyst 4500 1400 WDC Power Supply with PEM (PoE)
WS-U4504-FX-MT	3.6.0	FE Uplink Daughter Card, 4-port 100FX (MTRJ)
WS-X4013+	3.6.0	Cisco Catalyst 4500 Series Supervisor Engine II-Plus
WS-X4013+10GE	3.7	Cisco Catalyst 4500 Series Supervisor Engine II-Plus-10GE
WS-X4013+TS	3.6.0	Cisco Catalyst 4500 Series Supervisor Engine II-Plus-TS, twelve 10/100/1000 PoE (RJ-45) and eight 1000-X SFP ports included on supervisor-engine faceplate
WS-X4014	3.6.0	Catalyst 4500 Supervisor II-Plus (IOS), 2GE, Console(RJ-45)
WS-X4124-FX-MT	3.6.0	FE Switching Module, 24-port 100FX (MTRJ)
WS-X4124-RJ45	3.6.0	Supervisor Engine III
WS-X4148-FE-BD-LC	3.6.0	24-Port 100BASE-FX Fast Ethernet Switching Module
WS-X4148-FE-LX-MT	3.6.0	24-Port 10/100BASE-TX Fast Ethernet Switching Module
WS-X4148-FX-MT	3.6.0	FE Switching Module, 48-100FX MMF (MTRJ)
WS-X4148-RJ	3.6.0	Cisco Catalyst 4500 10/100 Auto Module, 48-Port (RJ-45)
WS-X4148-RJ21	3.6.0	Telco switch module, 48-port 10/100 (4xRJ21)
WS-X4148-RJ45V	3.6.0	Inline Power 10/100, 48-port (RJ45)
WS-X4224-RJ45V	3.6.0	Catalyst 4500 10/100 Module, 48-Ports Telco (4xRJ21)
WS-X4232-GB-RJ	3.6.0	10/100BASE-TX Fast Ethernet switching module with Cisco pre-standard PoE

Table 7-37 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
WS-X4232-L3	3.6.0	Catalyst 4500 10/100 PoE 802.3af 24-ports (RJ45)
WS-X4232-RJ-XX	3.6.0	Catalyst 4500 32-10/100 (RJ-45),2-GE(GBIC)
WS-X4248-FE-SFP	3.6.0	Layer 3 Services Module
WS-X4248-RJ21V	3.6.0	Catalyst 4500 10/100 Module,32-ports(RJ45)+Modular uplinks
WS-X4248-RJ45V	3.6.0	Catalyst 4500 48-Port 100BASE-X (SFPs Optional)
WS-X4302-GB	3.6.0	Catalyst 4500 PoE 802.3af 10/100, 48-Ports (RJ21)
WS-X4306-GB	3.6.0	Catalyst 4500 PoE 802.3af 10/100, 48-Ports (RJ45)
WS-X4412-2GB-T	3.6.0	Catalyst 4500 Gigabit Ethernet Module, 2-Ports (GBIC)
WS-X4418-GB	3.6.0	Catalyst 4500 Gigabit Ethernet Module, 6-Ports (GBIC)
WS-X4424-GB-RJ45	3.6.0	1000BASE-T plus 1000BASE-X Gigabit Ethernet switching module
WS-X4448-GB-LX	3.6.0	Catalyst 4500 GE Module, Server Switching 18-Ports (GBIC)
WS-X4448-GB-RJ45	3.6.0	Catalyst 4500 24-port 10/100/1000 Module (RJ45)
WS-X4448-GB-SFP	3.6.0	1000BASE-X Gigabit Ethernet switching module
WS-X4506-GB-T	3.6.0	Catalyst 4500 48-Port 10/100/1000 Module (RJ45)
WS-X4515	3.6.0	Catalyst 4500 48-Port 1000Base-X (SFPs Optional)
WS-X4516	3.6.0	Catalyst 4500 6-Port 10/100/1000 PoE or SFP (Optional)
WS-X4516-10GE	3.6.0	Catalyst 4500 Supervisor IV (2 GE),Console(RJ-45)
WS-X4524-GB-RJ45V	3.6.0	Catalyst 4500 Supervisor V (2 GE),Console(RJ-45)
WS-X4548-GB-RJ45	3.6.0	Catalyst 4500 Supervisor V-10GE, 2x10GE (X2) and 4x1GE (SFP)
WS-X4548-GB-RJ45V	3.6.0	Catalyst 4500 PoE 802.3af 10/ 100/1000 24-ports (RJ45)
WS-X45-SUP6-E	3.6.7	Catalyst 4500 Enhanced 48-Port 10/100/1000 Base-T (RJ-45)
WS-X45-SUP6L-E	3.6.7	Catalyst 4500 PoE 802.3af 10/100/1000, 48-Ports (RJ45)
WS-X4604-GWY	3.6.0	Catalyst 4000 Access Gateway Module
WS-X4606-X2-E	3.6.7	Cisco 4506 Power supply module
WS-X4624-SFP-E	3.6.7	1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength
WS-X4648-RJ45V+E	3.7	Cisco Catalyst 4500 E-Series 48-Port 802.3af PoE and PoEP-ready 10/100/1000 (RJ-45)

Table 7-37 Supported Modules for Cisco Catalyst 4500 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
WS-X4648-RJ45V-E	3.7	Cisco Catalyst 4500 E-Series 48-port 802.3af PoE 10/100/1000 (RJ-45)
X2-10GB-CX4	3.7	10 Gigabit Ethernet X2 with Copper Wire (Data and PoE)
X2-10GB-ER	3.6.7	Catalyst 4500 E-Series Sup 6-E, 2x10GE(X2) w/Twin Gig
X2-10GB-LR	3.6.7	Catalyst 4500 E-Series Sup 6L-E, 2x10GE(X2) w/Twin Gig
X2-10GB-LRM	3.7	10GBASE-LRM X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-LX4	3.7	10GBASE-LX4 X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-SR	3.7	10GBASE-ER X2 transceiver module for SMF, 1550-nm wavelength, SC duplex connector
X2-10GB-ZR	3.7	10GBASE-LR Serial 1310-nm long-reach, single-mode fiber (SMF), dispersion-shifted fiber (DSF)
WS-X4597-E	3.7 ¹	Catalyst 4507R-E Fan Tray
WS-X45-SUP7-E	ANA-3.7.2-DP4	Sup 7-E 10GE (SFP+), 1000BaseX (SFP) with 4 SFP+ Ports
WS-X4712-SFP+E	ANA-3.7.2-DP4	10GE SFP+ with 12 SFP+ ports
WS-X4612-SFP-E	ANA-3.7.2-DP4	1000BaseX (SFP) with 12 SFP Ports Jumbo Frame Support
WS-X4640-CSFP-E	ANA-3.7.2-DP4	1000BaseX with 40-port SFP/80-port C-SFP Jumbo Frame Support

¹Tested by John C(PLM).Refer bug-CSCtg86953

Cisco Catalyst 4500 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 4500 Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [VPN \(VRF\), page 7-120](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)

- [Serial, page 7-127](#)
- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

Cisco Catalyst 4500 Series—Supported Service Events

Table 7-38 Supported Service Events for Cisco Catalyst 4500 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.0	Y
All IP Interfaces Down	3.6.0	Y
BGP process up	3.6.0	N
Card Down	3.6.0	Y
Card In	3.6.0	Y
Card Out	3.6.0	Y
Card Up	3.6.0	Y
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.6.0	N
Dropped packet rate exceeded upper threshold	3.6.0	N
Link up	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N
Module Unsupported	3.6.0	N
rep port role change	Prime Network 3.8	Y
pluggable transceiver out	Prime Network 3.8	N
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Catalyst 4900 Series Switches

This section includes the following information about Cisco Catalyst 4900 Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 4900 Series Switches](#)):

- [Cisco Catalyst 4900 Series—Supported Software Versions](#), page 7-34
- [Cisco Catalyst 4900 Series—Supported Topologies](#), page 7-35
- [Cisco Catalyst 4900 Series—Supported Modules](#), page 7-35
- [Cisco Catalyst 4900 Series—Supported Technologies](#), page 7-40
- [Cisco Catalyst 4900 Series—Supported Service Events](#), page 7-41

Cisco Catalyst 4900 Series—Supported Software Versions

Table 7-39 *Supported Software Versions for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9*

Software Version	Product_Version
IOS 12.2(25)EWA	3.6.3 ¹
IOS 12.2(25)EWA2	3.6.3 ²
IOS 12.2(25)EWA4	3.6.2 ³
IOS 12.2(25)EWA6	3.6.2 ⁴
IOS 12.2(31)SG	3.6.1 ⁵
IOS 12.2(31)SGA1	3.6.1 ⁶
IOS 12.2(50)SG	3.7 ⁷
IOS 12.2(52)SG	3.6.6 ⁸
IOS 12.2(53)SG	3.7 ⁹
IOS 12.2(54)SG	3.7.1
IOS 12.2(53)SG1	3.7.1
IOS 12.2(53)SG4	ANA-3.7.2-D P2
IOS 15.0(2)SG	ANA-3.7.2-D P4

^{1, 2, 3, 4, 5, 6}ANA models pluggable ports for this IOS version.

^{7, 8, 9}ANA recognizes all maintenance builds in this IOS release train. ANA models pluggable ports for this IOS version.

Cisco Catalyst 4900 Series—Supported Topologies

Table 7-40 Supported Topologies for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9

Topology Type	Link Type	Product_V ersion
Ethernet	Ethernet	3.6.1
Physical Layer	Physical Layer	3.6.1
LAG	LAG	3.6.1

Cisco Catalyst 4900 Series—Supported Modules

Table 7-41 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
CAB-SM-LCSC-1M	3.6.1	1m fiber single-mode LC-to-SC connectors
CAB-SM-LCSC-5M	3.6.1	5m fiber single-mode LC-to-SC connectors
CSS5-CABLX-LCSC	3.6.1	Cisco CSS 11500 10m fiber single-mode LX LC-to-SC connectors
CSS5-CABSX-LC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC connectors
CSS5-CABSX-LCSC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC-to-SC connectors
CWDM-SFP-1470	3.6.1	Longwave 1470 nm laser single-mode
CWDM-SFP-1490	3.6.1	Longwave 1490 nm laser single-mode
CWDM-SFP-1510	3.6.1	Longwave 1510 nm laser single-mode
CWDM-SFP-1530	3.6.1	Longwave 1530 nm laser single-mode
CWDM-SFP-1550	3.6.1	Longwave 1550 nm laser single-mode
CWDM-SFP-1570	3.6.1	Longwave 1570 nm laser single-mode
CWDM-SFP-1590	3.6.1	Longwave 1590 nm laser single-mode
CWDM-SFP-1610	3.6.1	Longwave 1610 nm laser single-mode
CWDM-SFP-XXXX	3.6.1	CWDM small form-factor pluggable module
DWDM-X2-30.33=	3.7	10GBASE-DWDM 1530.33 nm X2 (100-GHz ITU grid)
DWDM-X2-31.12=	3.7	10GBASE-DWDM 1531.12 nm X2 (100-GHz ITU grid)
DWDM-X2-31.90=	3.7	10GBASE-DWDM 1531.90 nm X2 (100-GHz ITU grid)
DWDM-X2-32.68=	3.7	10GBASE-DWDM 1532.68 nm X2 (100-GHz ITU grid)

Table 7-41 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
DWDM-X2-34.25=	3.7	10GBASE-DWDM 1534.25 nm X2 (100-GHz ITU grid)
DWDM-X2-35.04=	3.7	10GBASE-DWDM 1535.04 nm X2 (100-GHz ITU grid)
DWDM-X2-35.82=	3.7	10GBASE-DWDM 1535.82 nm X2 (100-GHz ITU grid)
DWDM-X2-36.61=	3.7	10GBASE-DWDM 1536.61 nm X2 (100-GHz ITU grid)
DWDM-X2-38.19=	3.7	10GBASE-DWDM 1538.19 nm X2 (100-GHz ITU grid)
DWDM-X2-38.98=	3.7	10GBASE-DWDM 1538.98 nm X2 (100-GHz ITU grid)
DWDM-X2-39.77=	3.7	10GBASE-DWDM 1539.77 nm X2 (100-GHz ITU grid)
DWDM-X2-40.56=	3.7	10GBASE-DWDM 1540.56 nm X2 (100-GHz ITU grid)
DWDM-X2-42.14=	3.7	10GBASE-DWDM 1542.14 nm X2 (100-GHz ITU grid)
DWDM-X2-42.94=	3.7	10GBASE-DWDM 1542.94 nm X2 (100-GHz ITU grid)
DWDM-X2-43.73=	3.7	10GBASE-DWDM 1543.73 nm X2 (100-GHz ITU grid)
DWDM-X2-44.53=	3.7	10GBASE-DWDM 1544.53 nm X2 (100-GHz ITU grid)
DWDM-X2-46.12=	3.7	10GBASE-DWDM 1546.12 nm X2 (100-GHz ITU grid)
DWDM-X2-46.92=	3.7	10GBASE-DWDM 1546.92 nm X2 (100-GHz ITU grid)
DWDM-X2-47.72=	3.7	10GBASE-DWDM 1547.72 nm X2 (100-GHz ITU grid)
DWDM-X2-48.51=	3.7	10GBASE-DWDM 1548.51 nm X2 (100-GHz ITU grid)
DWDM-X2-50.12=	3.7	10GBASE-DWDM 1550.12 nm X2 (100-GHz ITU grid)
DWDM-X2-50.92=	3.7	10GBASE-DWDM 1550.92 nm X2 (100-GHz ITU grid)
DWDM-X2-51.72=	3.7	10GBASE-DWDM 1551.72 nm X2 (100-GHz ITU grid)
DWDM-X2-52.52=	3.7	10GBASE-DWDM 1552.52 nm X2 (100-GHz ITU grid)

Table 7-41 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
DWDM-X2-54.13=	3.7	10GBASE-DWDM 1554.13 nm X2 (100-GHz ITU grid)
DWDM-X2-54.94=	3.7	10GBASE-DWDM 1554.94 nm X2 (100-GHz ITU grid)
DWDM-X2-55.75=	3.7	10GBASE-DWDM 1555.75 nm X2 (100-GHz ITU grid)
DWDM-X2-56.55=	3.7	10GBASE-DWDM 1556.55 nm X2 (100-GHz ITU grid)
DWDM-X2-58.17=	3.7	10GBASE-DWDM 1558.17 nm X2 (100-GHz ITU grid)
DWDM-X2-58.98=	3.7	10GBASE-DWDM 1558.98 nm X2 (100-GHz ITU grid)
DWDM-X2-59.79=	3.7	10GBASE-DWDM 1559.79 nm X2 (100-GHz ITU grid)
DWDM-X2-60.61=	3.7	10GBASE-DWDM 1560.61 nm X2 (100-GHz ITU grid)
GLC-BX-D	3.6.1 ¹	1000BASE-BX10-D downstream bidirectional single fiber; with DOM
GLC-BX-U	3.6.1 ²	1000BASE-BX10-U upstream bidirectional single fiber; with DOM
GLC-LH-SM	3.6.1 ³	Gigabit Ethernet SFP, LC connector LH transceiver
GLC-SX-MM	3.6.1 ⁴	Gigabit Ethernet SFP, LC connector SX transceiver
GLC-T	3.6.1	Gigabit Ethernet SFP, RJ-45 connector, 1000BASE-T transceiver
GLC-ZX-SM	3.6.1 ⁵	Gigabit Ethernet SFP, LC connector ZX transceiver
PWR-C49M-1000AC	3.7	Cisco Catalyst 4900M AC Power Supply
PWR-C49M-1000DC	3.7	4900M DC power supply, 1000 watts module
WS-C4948	3.6.1	Catalyst 4000 series fixed configuration switch with 48 10/100/1000BaseT wirespeed ports and 4 1000BaseX SFP ports
WS-C4948-10GE	3.6.1	Catalyst 4000 series fixed configuration switch with 48 10/100/1000BaseT wirespeed ports and 2 10Gbps X2 ports
WS-X4904-10GE	3.7	Catalyst 4000 series fixed configuration switch with 48 10/100/1000BaseT wirespeed ports and 4 1000BaseX SFP ports
WS-X4908-10GE	3.7	Catalyst 4900M series, half height line card with 8 port 2:1 10GE interface
WS-X4908-10G-RJ45	3.7.1	4900M 8 port 10GBase-T (RJ-45) half card
WS-X4920-GB-RJ45	3.7	Catalyst 4900M series, half height line card with 20 port 10/100/1000 RJ45 interface

Table 7-41 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
WS-X4992	3.7	Cisco Catalyst 4900M Spare Fan Tray
X2-10GB-CX4	3.6.1 ⁶	10GBASE-CX4 single-mode X2 module
X2-10GB-ER	3.6.1 ⁷	10GBASE-ER single-mode X2 module
X2-10GB-LR	3.6.1 ⁸	10GBASE-LR single-mode X2 module
X2-10GB-LRM	3.7	10GBASE-LX4 X2 transceiver module for MMF, 1310-nm wavelength, SC duplex connector
X2-10GB-LX4	3.6.1 ⁹	10GBASE-LX4 single-mode X2 module
X2-10GB-SR	3.6.1 ¹⁰	10GBASE-SR single-mode X2 module
X2-10GB-ZR	3.7	10GBASE-ZR X2 transceiver module for SMF, 1550-nm wavelength, SC duplex connector
X2-10GE-CX4	3.6.1	10GBASE-CX4 X2 Module
X2-10GE-ER	3.6.1	10GBASE-ER X2 Module
X2-10GE-LR	3.6.1	10GBASE-LR X2 Module
X2-10GE-LX4	3.6.1	10GBASE-LX4 X2 Module
X2-10GE-SR	3.6.1	10GBASE-SR X2 Module
WS-X4908-10G-RJ45	ANA-3.7.2-DP4 ¹¹	Cisco Catalyst 4900M 8-port 10GBASE-T module (RJ45)
WS-X4612-SFP-E	ANA-3.7.2-DP4	Cisco Catalyst 4500E Series 12-port GE (SFP)
WS-X4712-SFP+E	ANA-3.7.2-DP4	Cisco Catalyst 4500E Series 12-port 10GE (SFP+)
WS-X4640-CSFP-E	ANA-3.7.2-DP4	10GBaseT(RJ45),1000BaseT(RJ45) with 8 10G RJ45 ports
WS-X45-SUP7-E	ANA-3.7.2-DP4	Cisco Catalyst 4500E Series Supervisor Engine 7-E
DWDM-SFP-5655	ANA-3.7.2-DP4	1000BASE-DWDM SFP 1556.55 nm
DWDM-SFP-5575	ANA-3.7.2-DP4	1000BASE-DWDM SFP 1555.75 nm
DWDM-SFP-5494	ANA-3.7.2-DP4	1000BASE-DWDM SFP 1554.94 nm
DWDM-SFP-5413	ANA-3.7.2-DP4	1000BASE-DWDM SFP 1554.13 nm
DWDM-SFP-5252	ANA-3.7.2-DP4	1000BASE-DWDM SFP 1552.52 nm
DWDM-SFP-5172	ANA-3.7.2-DP4	1000BASE-DWDM SFP 1551.72 nm
DWDM-SFP-5092	ANA-3.7.2-DP4	1000BASE-DWDM SFP 1550.92 nm

Table 7-41 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
DWDM-SFP-5012	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1550.12 nm
DWDM-SFP-4851	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1548.51 nm
DWDM-SFP-4772	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1547.72 nm
DWDM-SFP-4692	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1546.92 nm
DWDM-SFP-4612	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1546.12 nm
DWDM-SFP-4453	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1544.53 nm
DWDM-SFP-4373	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1543.73 nm
DWDM-SFP-4294	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1542.94 nm
DWDM-SFP-4214	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1542.14 nm
DWDM-SFP-4056	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1540.56 nm
DWDM-SFP-3977	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1539.77 nm
DWDM-SFP-3898	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1538.98 nm
DWDM-SFP-3819	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1538.19 nm
DWDM-SFP-3661	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1536.61 nm
DWDM-SFP-3582	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1535.82 nm
DWDM-SFP-3504	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1535.04 nm
DWDM-SFP-3425	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1534.25 nm
DWDM-SFP-3268	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1532.68 nm
DWDM-SFP-3190	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1531.90 nm
DWDM-SFP-3112	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1531.12 nm

Table 7-41 Supported Modules for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
DWDM-SFP-3033	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1530.33 nm
DWDM-SFP-6141	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1561.41 nm
DWDM-SFP-5736	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1557.36 nm
DWDM-SFP-5332	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1553.32 nm
DWDM-SFP-4931	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1549.31 nm
DWDM-SFP-4532	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1545.32 nm
DWDM-SFP-4134	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1541.34 nm
DWDM-SFP-3739	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1537.39 nm
DWDM-SFP-3346	ANA-3.7. 2-DP4	1000BASE-DWDM SFP 1533.46 nm

¹, ², ³, ⁴, ⁵, ⁶, ⁷, ⁸, ⁹, ¹⁰Support verified in ANA 3.7

¹¹Support verified in ANA 3.7.2 DP4

Cisco Catalyst 4900 Series—Supported Technologies

The following technologies are supported by the Cisco Catalyst 4900 Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [VPN \(VRF\), page 7-120](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [Additional Technologies, page 7-128](#)
- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

Cisco Catalyst 4900 Series—Supported Service Events

Table 7-42 Supported Service Events for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active ip interfaces found	3.6.1	N
All ip interfaces down	3.6.1	N
BGP link down due to admin	3.6.1	N
BGP link down due to oper	3.6.1	N
BGP link down vrf due to admin	3.6.1	N
BGP link down vrf due to oper	3.6.1	N
BGP link up	3.6.1	N
BGP neighbor found	3.6.1	N
BGP neighbor loss due to admin	3.6.1	N
BGP neighbor loss due to oper	3.6.1	N
BGP process down	3.6.1	N
BGP process up	3.6.1	N
Card down	3.6.1	N
Card in	3.6.1	N
Card out	3.6.1	N
Card up	3.6.1	N
Device Managed	3.6.1	N
Device Partially Managed	3.6.1	N
Device Unsupported	3.6.1	N
Discarded packet rate exceeded upper threshold	3.6.1	N
Discarded packet rate is below lower threshold	3.6.1	N
Dropped packet rate exceeded upper threshold	3.6.1	N
Dropped packet rate is below lower threshold	3.6.1	N
GRE tunnel down	3.6.1	N
GRE tunnel up	3.6.1	N
High priority member down	3.6.1	N
High Priority MPLS-TE tunnel down	3.6.1	N
keepalive configured	3.6.1	N
keepalive not configured	3.6.1	N
l2tp peer established	3.6.1	N

Table 7-42 **Supported Service Events for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9**

Event Name	Product_V ersion	Expedited
l2tp peer is removed	3.6.1	N
l2tp peer not established	3.6.1	N
LAG down	3.6.1	N
LAG Link down	3.6.1	N
LAG Link up	3.6.1	N
LAG up	3.6.1	N
Layer 2 tunnel up	3.6.1	N
LDP neighbor down	3.6.1	N
LDP neighbor up	3.6.1	N
Link down due to admin down	3.6.1	N
Link down due to Card event	3.6.1	N
Link down due to oper down	3.6.1	N
Link down on unreachable	3.6.1	N
Link over utilized	3.6.1	N
Link up	3.6.1	N
Link utilization normal	3.6.1	N
Logical port down	3.6.1	N
Logical port up	3.6.1	N
Low priority member down	3.6.1	N
Low Priority MPLS-TE tunnel down	3.6.1	N
Management Unreachable	3.6.1	N
Medium priority member down	3.6.1	N
Medium Priority MPLS-TE tunnel down	3.6.1	N
Memory utilization exceeded upper threshold	3.6.1	N
Memory utilization less than lower threshold	3.6.1	N
Module Unsupported	3.6.1	N
MPLS interface added	3.6.1	N
MPLS interface removed	3.6.1	N
MPLS-TE tunnel up	3.6.1	N
OSPF Neighbor Down	3.6.1	N
OSPF Neighbor Up	3.6.1	N
Port down due to admin	3.6.1	N
Port down due to Card down	3.6.1	N

Table 7-42 Supported Service Events for Cisco Catalyst 4900 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Port down due to Card out	3.6.1	N
Port down due to oper	3.6.1	N
Port up	3.6.1	N
Primary HSRP interface active	3.6.1	N
Primary HSRP interface not active	3.6.1	N
rx dormant	3.6.1	N
rx dormant normal	3.6.1	N
Rx utilization exceeded upper threshold	3.6.1	N
Rx utilization is below lower threshold	3.6.1	N
Secondary HSRP interface active	3.6.1	N
Secondary HSRP interface not active	3.6.1	N
Service down	3.6.1	N
Service up	3.6.1	N
Shelf in	3.6.1	N
Shelf out	3.6.1	N
tx dormant	3.6.1	N
tx dormant normal	3.6.1	N
Tx utilization exceeded upper threshold	3.6.1	N
Tx utilization is below lower threshold	3.6.1	N
rep port role change	3.8.0	Y
pluggable transceiver out	3.8.0	N
fan-tray down	3.8.0	N
fan-tray out	3.8.0	N
power-supply down	3.8.0	N

Cisco ME 4900 Series Ethernet Switch

This section includes the following information about Cisco 4924 ME switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco ME 4900 Series Ethernet Switch](#)):

- [Cisco 4924 ME—Supported Software Versions, page 7-44](#)
- [Cisco 4924 ME—Supported Topologies, page 7-44](#)
- [Cisco 4924 ME—Supported Modules, page 7-44](#)
- [Cisco 4924 ME—Supported Technologies, page 7-46](#)

- [Cisco 4924 ME—Supported Service Events, page 7-46](#)

Cisco 4924 ME—Supported Software Versions

Table 7-43 Supported Software Versions for Cisco 4924 ME—Cisco Prime Network 3.9

Software Version	Product_Vers ion
12.2(25)EWA	3.6.3 ¹
12.2(25)EWA4	3.6.3 ²
12.2(25)EWA6	3.6.3 ³
12.2(31)SG	3.6.3 ⁴
12.2(31)SGA1	3.6.1 ⁵
12.2(46)SG	3.6.6 ⁶
12.2(50)SG	3.6.6 ⁷
12.2(53)SG	3.7 ⁸
12.2(53)SG2	3.7.1
12.2(53)SG3	ANA-3.7.2-D P1

1, 2, 3, 4, 5, 6, 7, 8 ANA models pluggable ports for this IOS version.

Cisco 4924 ME—Supported Topologies

Table 7-44 Supported Topologies for Cisco 4924 ME—Cisco Prime Network 3.9

Topology Type	Link Type	Product_V ersion
Ethernet	Ethernet	3.6.1
Physical Layer	Physical Layer	3.6.1
LAG	LAG	Prime Network 3.8

Cisco 4924 ME—Supported Modules

Table 7-45 Supported Modules for Cisco 4924 ME—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
CAB-SM-LCSC-1M	3.6.1	1m fiber single-mode LC-to-SC connectors

Table 7-45 Supported Modules for Cisco 4924 ME—Cisco Prime Network 3.9 (continued)

Module Name	Product_V ersion	Module Description
CAB-SM-LCSC-5M	3.6.1	5m fiber single-mode LC-to-SC connectors
CSS5-CABLX-LCSC	3.6.1	Cisco CSS 11500 10m fiber single-mode LX LC-to-SC connectors
CSS5-CABSX-LC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC connectors
CSS5-CABSX-LCSC	3.6.1	Cisco CSS 11500 10m fiber multimode SX LC-to-SC connectors
CWDM-SFP-1470	3.6.1	Cisco CWDM SFP 1470 nm; Gigabit Ethernet and 1G/2G FC (gray)
CWDM-SFP-1490	3.6.1	Cisco CWDM SFP 1490 nm; Gigabit Ethernet and FC (violet)
CWDM-SFP-1510	3.6.1	Cisco CWDM SFP 1510 nm; Gigabit Ethernet and 1G/2G FC (blue)
CWDM-SFP-1530	3.6.1	Cisco CWDM SFP 1530 nm; Gigabit Ethernet and 1G/2G FC (green)
CWDM-SFP-1550	3.6.1	Cisco CWDM SFP 1550 nm; Gigabit Ethernet and 1G/2G FC (yellow)
CWDM-SFP-1570	3.6.1	Cisco CWDM SFP 1570 nm; Gigabit Ethernet and 1G/2G FC (orange)
CWDM-SFP-1590	3.6.1	Cisco CWDM SFP 1590 nm; Gigabit Ethernet and 1G/2G FC (red)
CWDM-SFP-1610	3.6.1	Cisco CWDM SFP 1610 nm; Gigabit Ethernet and 1G/2G FC (brown)
GLC-BX-D	3.6.1	1000BASE-BX10-D downstream bidirectional single fiber; with DOM
GLC-BX-U	3.6.1	1000BASE-BX10-U upstream bidirectional single fiber; with DOM
GLC-LH-SM	3.6.1	Gigabit Ethernet SFP, LC connector LH transceiver
GLC-SX-MM	3.6.1	Gigabit Ethernet SFP, LC connector SX transceiver
GLC-T	3.6.1	Gigabit Ethernet SFP, RJ-45 connector, 1000BASE-T transceiver
GLC-ZX-SM	3.6.1	Gigabit Ethernet SFP, LC connector ZX transceiver
ME-4924-10GE	3.6.1	Cisco ME 4924-10GE, IP Base software image (RIP, static routes), no power supply, fan tray
PWR-C49-300DC	3.6.6	Power Supply (DC 300W)
WS-X4991	3.6.6	Fan Tray
X2-10GE-CX4	3.6.1	10GBASE-CX4 X2 Module
X2-10GE-ER	3.6.1	10GBASE-ER X2 Module
X2-10GE-LR	3.6.1	10GBASE-LR X2 Module

Table 7-45 Supported Modules for Cisco 4924 ME—Cisco Prime Network 3.9 (continued)

Module Name	Product_V ersion	Module Description
X2-10GE-LX4	3.6.1	10GBASE-LX4 X2 Module
X2-10GE-SR	3.6.1	10GBASE-SR X2 Module

Cisco 4924 ME—Supported Technologies

The following technologies are supported by the Cisco 4924 ME in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [VPN \(VRF\), page 7-120](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [Additional Technologies, page 7-128](#)
- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

Cisco 4924 ME—Supported Service Events

Table 7-46 Supported Service Events for Cisco 4924 ME—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active ip interfaces found	3.6.1	N
All ip interfaces down	3.6.1	N
BGP link down due to admin	3.6.1	N
BGP link down due to oper	3.6.1	N
BGP link down vrf due to admin	3.6.1	N
BGP link down vrf due to oper	3.6.1	N
BGP link up	3.6.1	N
BGP neighbor found	3.6.1	N
BGP neighbor loss due to admin	3.6.1	N
BGP neighbor loss due to oper	3.6.1	N
BGP process down	3.6.1	N
BGP process up	3.6.1	N

Table 7-46 Supported Service Events for Cisco 4924 ME—Cisco Prime Network 3.9 (continued)

Event Name	Product_V ersion	Expedited
Card down	3.6.1	N
Card in	3.6.1	N
Card out	3.6.1	N
Card up	3.6.1	N
Device Managed	3.6.1	N
Device Partially Managed	3.6.1	N
Device Unsupported	3.6.1	N
Discarded packet rate exceeded upper threshold	3.6.1	N
Discarded packet rate is below lower threshold	3.6.1	N
Dropped packet rate exceeded upper threshold	3.6.1	N
Dropped packet rate is below lower threshold	3.6.1	N
GRE tunnel down	3.6.1	N
GRE tunnel up	3.6.1	N
High priority member down	3.6.1	N
High Priority MPLS-TE tunnel down	3.6.1	N
keepalive configured	3.6.1	N
keepalive not configured	3.6.1	N
l2tp peer established	3.6.1	N
l2tp peer is removed	3.6.1	N
l2tp peer not established	3.6.1	N
LAG down	3.6.1	N
LAG Link down	3.6.1	N
LAG Link up	3.6.1	N
LAG up	3.6.1	N
Layer 2 tunnel up	3.6.1	N
LDP neighbor down	3.6.1	N
LDP neighbor up	3.6.1	N
Link down due to admin down	3.6.1	N
Link down due to Card event	3.6.1	N
Link down due to oper down	3.6.1	N
Link down on unreachable	3.6.1	N
Link over utilized	3.6.1	N

Table 7-46 *Supported Service Events for Cisco 4924 ME—Cisco Prime Network 3.9 (continued)*

Event Name	Product_V ersion	Expedited
Link up	3.6.1	N
Link utilization normal	3.6.1	N
Logical port down	3.6.1	N
Logical port up	3.6.1	N
Low priority member down	3.6.1	N
Low Priority MPLS-TE tunnel down	3.6.1	N
Management Unreachable	3.6.1	N
Medium priority member down	3.6.1	N
Medium Priority MPLS-TE tunnel down	3.6.1	N
Memory utilization exceeded upper threshold	3.6.1	N
Memory utilization less than lower threshold	3.6.1	N
Module Unsupported	3.6.1	N
MPLS interface added	3.6.1	N
MPLS interface removed	3.6.1	N
MPLS-TE tunnel up	3.6.1	N
OSPF Neighbor Down	3.6.1	N
OSPF Neighbor Up	3.6.1	N
Port down due to admin	3.6.1	N
Port down due to Card down	3.6.1	N
Port down due to Card out	3.6.1	N
Port down due to oper	3.6.1	N
Port up	3.6.1	N
Primary HSRP interface active	3.6.1	N
Primary HSRP interface not active	3.6.1	N
rx dormant	3.6.1	N
rx dormant normal	3.6.1	N
Rx utilization exceeded upper threshold	3.6.1	N
Rx utilization is below lower threshold	3.6.1	N
Secondary HSRP interface active	3.6.1	N
Secondary HSRP interface not active	3.6.1	N
Service down	3.6.1	N
Service up	3.6.1	N

Table 7-46 Supported Service Events for Cisco 4924 ME—Cisco Prime Network 3.9 (continued)

Event Name	Product_V ersion	Expedited
Shelf in	3.6.1	N
Shelf out	3.6.1	N
tx dormant	3.6.1	N
tx dormant normal	3.6.1	N
Tx utilization exceeded upper threshold	3.6.1	N
Tx utilization is below lower threshold	3.6.1	N
rep port role change	Prime Network 3.8	Y
pluggable transceiver out	Prime Network 3.8	N
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Catalyst 5000 Series Switches

This section includes the following information about Cisco 5000 Series switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 5000 Series Switches](#)):

- [Cisco 5000 Series—Supported Software Versions, page 7-50](#)
- [Cisco 5000 Series—Supported Topologies, page 7-50](#)
- [Cisco 5000 Series—Supported Technologies, page 7-50](#)
- [Cisco 5000 Series—Supported Service Events, page 7-50](#)

Cisco 5000 Series—Supported Software Versions

Table 7-47 Supported Software Versions for Cisco 5000 Series—Cisco Prime Network 3.9

Software Version	Product_Version
4.5(15)	3.7

Cisco 5000 Series—Supported Topologies

Table 7-48 Supported Topologies for Cisco 5000 Series—Cisco Prime Network 3.9

Topology Type	Link Type	Product_Version
Business	Business	3.7
Ethernet	Ethernet	3.7
Physical Layer	Physical Layer	3.7

Cisco 5000 Series—Supported Technologies

The following technologies are supported by the Cisco 5000 Series in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Ethernet, page 7-99](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)

Cisco 5000 Series—Supported Service Events

Table 7-49 Supported Service Events for Cisco 5000 Series—Cisco Prime Network 3.9

Event Name	Product_Version	Expedited
Active IP Interfaces Found	3.7	Y
All IP Interfaces Down	3.7	Y
BGP process up	3.7	N
Card Down	3.7	Y
Card In	3.7	Y
Card Out	3.7	Y

Table 7-49 Supported Service Events for Cisco 5000 Series—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Card Up	3.7	Y
CPU utilization exceeded upper threshold	3.7	N
Device Unsupported	3.7	N
Link up	3.7	N
Module Unsupported	3.7	N
rep port role change	Prime Network 3.8	Y
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Catalyst 6500 Series (CatOS) Switches

This section includes the following information about Cisco Catalyst 6500 Series (CatOS) switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 6500 Series \(CatOS\) Switches](#)):

- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Software Versions, page 7-51](#)
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Topologies, page 7-52](#)
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Modules, page 7-52](#)
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Technologies, page 7-55](#)
- [Cisco Catalyst 6500 Series \(CatOS\)—Supported Service Events, page 7-55](#)

Cisco Catalyst 6500 Series (CatOS)—Supported Software Versions

Table 7-50 Supported Software Versions for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network 3.9

Software Version	Product_Vers ion
6.4(10)	3.6.3
7.6(1)	3.6.3

Table 7-50 *Supported Software Versions for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network 3.9 (continued)*

Software Version	Product_Version
7.6(8)	3.6.3
8.3(4)	3.6.3
8.4.1	3.6.3
8.5(1)	3.7 ¹
8.5(7)	3.7

¹ANA recognizes all maintenance builds in this CatOS release train.

Cisco Catalyst 6500 Series (CatOS)—Supported Topologies

Table 7-51 *Supported Topologies for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network 3.9*

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco Catalyst 6500 Series (CatOS)—Supported Modules

Table 7-52 *Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network 3.9*

Module Name	Product_Version	Module Description
AIP	3.6.0	ATM Interface Processor
CAT6509	3.6.0	Catalyst 6500 Plus with 9 slots
CAT6K-MSFC	3.6.0	Multilevel Switching Feature Card for the Catalyst 6000 series
CAT6K-MSFC2	3.6.0	Multilevel Switching Feature Card Version 2 for the Catalyst 6000 series
CAT6K-WSF-6700-CFC	3.6.0	Catalyst 6500 centralized Forwarding Card
CAT6K-WSF-6K-DFC3A	3.6.0	Catalyst 6500 Distributed L3 switching engine IIIa
CAT6K-WSF-6K-PFC3A	3.6.0	Catalyst 6500 Centralized L3 switching engine IIIa
CAT6K-WSF-6K-VPWR-GE	3.6.0	Cat6k voice daughter cards
CAT6K-WS-SUP32-GE-3B	3.6.0	cat6k-ws-sup32-ge-3b
CAT6K-WS-SUP720	3.6.0	Catalyst 6500 Supervisor Module 720 CPU board

Table 7-52 Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
CAT6K-WS-SUP720-BASE	3.6.0	Catalyst 6500 Supervisor Module 720 base board
CAT6K-WS-SVC-IDSM2	3.6.0	Catalyst 6500 Intrusion Detection Module
CAT6K-WSX-6066-SLB-APC	3.6.0	Content Switching Module
CAT6K-WSX-6148-GE-TX	3.6.0	Catalyst 6000 48 port 10/100/1000BaseT(RJ-45) module
CAT6K-WSX-6148-RJ45	3.6.0	48 port 10/100BaseTX(RJ-45) module
CAT6K-WSX-6248A-RJ45	3.6.0	Catalyst 6000 48-port 10/100BaseTX RJ-45
CAT6K-WSX-6248-RJ45	3.6.0	Catalyst 6000 Family 48-port 10/100 RJ-45 module
CAT6K-WSX-6348-RJ45	3.6.0	48-port 10/100 ethernet module
CAT6K-WSX-6416-GBIC	3.6.0	16-port GBIC Gigabit ethernet module
CAT6K-WSX-6515-GETX	3.6.0	Catalyst 6500 16 port 10/100/1000BaseT (RJ-45) module
CAT6K-WSX-6516A-GBIC	3.6.0	Catalyst 6500 16 port 1000BaseX (GBIC)
CAT6K-WSX-6516-GBIC	3.6.0	Catalyst 6500 16 port 1000BaseX GBIC
CAT6K-WSX-6524-MMMT	3.6.0	Catalyst 6500 24 port 100BaseX MM (MT-RJ) module
CAT6K-WSX-6548-GETX	3.6.0	Catalyst 6500 48 port 10/100/1000 (RJ-45)
CAT6K-WSX-6548-RJ21	3.6.0	Catalyst 6500 48 port 10/100BaseTX (RJ-21)
CAT6K-WSX-6548-RJ45	3.6.0	48 port 10/100 Hydra2+/Hydra2V+
CAT6K-WSX-6704-10GE	3.6.0	Catalyst 6500 4 port 10 GE
CAT6K-WSX-6724-SFP	3.6.0	Catalyst 6500 24 port 1000Base FX (SFP GBIC)
CAT6K-WSX-6748-GETX	3.6.0	Catalyst 6500 48 port 10/100/1000 (RJ-45)
CAT6K-WSX-SUP1A-2GE	3.6.0	Catalyst 6500 2 port 1000BaseX Supervisor module (GBIC)
CAT6K-WSX-SUP2-2GE	3.6.0	Supervisor 2 with 2 Gigabit Ethernet ports
CATALYST 6500 FIREWALL MODULE	3.6.0	Catalyst 6500 Firewall Module
CEF720 48 PORT 1000MB SFP	3.6.0	Catalyst 6500 48 port 1000Base FX (SFP GBIC)
FSIP	3.6.0	Fast Serial Interface processor
HDV	3.6.0	High Density Voice module
MIP	3.6.0	MultiChanel Interface Processor
MSFC2A ROUTE ENGINE	3.6.0	MSFC2A Route Engine
OC192-POS-RPR1-SM-VSR-S PA	3.6.0	1 port OC-192c/STM-64 POS/RPR single mode very short reach Shared Port Adapter =SPA=
PA-1T3-PLUS	3.6.0	pa-1t3-plus
PA-2FEISL-TX	3.6.0	pa-2feisl-tx
PA-2T3-PLUS	3.6.0	pa-2t3-plus

Table 7-52 Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
PA-8CE1	3.6.0	pa-8ce1
PA-A4T	3.6.0	pa-a4t
PA-A8T-V35	3.6.0	pa-a8t-v35
PA-AH1T	3.6.0	pa-ah1t
PA-AH2T	3.6.0	pa-ah2t
PA-ATMDX-DS3	3.6.0	pa-atmdx-ds3
PA-ATMDX-E3	3.6.0	pa-atmdx-e3
PA-ATMDX-MM-OC3	3.6.0	pa-atmdx-mm-oc3
PA-ATMDX-SMI-OC3	3.6.0	pa-atmdx-smi-oc3
PA-ATMDX-SML-OC3	3.6.0	pa-atmdx-sml-oc3
PA-CE3	3.6.0	pa-ce3
PA-POSSW-LR	3.6.0	pa-possw-lr
PA-POSSW-MM	3.6.0	pa-possw-mm
PA-POSSW-SM	3.6.0	pa-possw-sm
PM-1FE-1T1	3.6.0	pm-1fe-1t1
POLICY FEATURE CARD 3	3.6.0	Policy Feature Card 3
POS-OC12-MM	3.6.0	pos-oc12-mm
RP	3.6.0	ROMmon Recovery Procedure
SPA-10X1GE	3.6.1	10-port Gigabit Ethernet SPA, SFP Optics
SPA-1XTENGE-XFP	3.6.1	1-port 10 Gigabit Ethernet SPA, LANPHY XFP Optics
SPA-2XOC3-ATM	3.6.1	2-port OC-3c/STM-1c ATM SPA
SPA-2XOC48POS/RPR	3.6.1	1-port 10 Gigabit Ethernet Shared Port Adapter XFP based
SPA-4XOC3-ATM	3.6.1	4-port OC-3c/STM-1c ATM SPA
TRIP	3.6.0	trip
VPN MODULE	3.6.0	VPN Module
VPN MODULE SUPPORTING 3DES	3.6.0	VPN Module supporting 3DES
WS-C6500-SFM	3.6.0	Switch Fabric Module
WS-C6509-NEB-A	3.6.1	Enhanced 9-slot vertically oriented chassis
WS-F6K-PWR	3.6.0	CATALYST 6000 INLINE POWER CARD, REF
WS-SUP720-3BXL	3.6.0	Catalyst 6500/Cisco 7600 Supervisor 720 Fabric MSFC3 PFC3BXL
WS-SVC-ADM-1-K9=	3.6.0	Catalyst 6500 Cisco Anomaly Detection Module
WS-SVC-AGM-1-K9=	3.6.0	Catalyst 6500 Cisco Anomaly Guard Module

Table 7-52 Supported Modules for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
WS-SVC-IDS2-BUN-K9	3.6.1	Cisco Catalyst 6500 Series Intrusion Detection System (IDS-2) Service Module
WS-SVC-SSL-1-K9=	3.6.0	SSL Module for Catalyst 6500
WS-X6148-FE-SFP	3.6.0	Cisco Catalyst 6500 48-port 100BASE-X SFP Module
WSX-6408A-GBIC	3.6.0	Catalyst 6000 8-port Gigabit Ethernet Module
WSX-6408-GBIC	3.6.0	Card with 8 Gigabit Ethernet ports for the Catalyst 6000 series
WS-X6500-SFM2	3.6.0	Switch Fabric Module 2
WVIC-2DSU-T1(V2)	3.6.0	wvic-2dsu-t1(V2)

Cisco Catalyst 6500 Series (CatOS)—Supported Technologies

The following technologies are supported by the Cisco Catalyst 6500 Series (CatOS) in Cisco Prime Network 3.9:

- [IP](#), page 7-92
- [Ethernet](#), page 7-99
- [Frame Relay](#), page 7-108
- [PPP](#), page 7-110
- [Hardware](#), page 7-124
- [Serial](#), page 7-127
- [CDP](#), page 7-132

Cisco Catalyst 6500 Series (CatOS)—Supported Service Events

Table 7-53 Supported Service Events for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.0	Y
All IP Interfaces Down	3.6.0	Y
BGP process up	3.6.0	N
Card Down	3.6.0	Y
Card In	3.6.0	Y
Card Out	3.6.0	Y
Card Up	3.6.0	Y

Table 7-53 *Supported Service Events for Cisco Catalyst 6500 Series (CatOS)—Cisco Prime Network 3.9 (continued)*

Event Name	Product_V ersion	Expedited
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.6.0	N
Link up	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N
Module Unsupported	3.6.0	N
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Catalyst 6500 Series (IOS) Switches

This section includes the following information about Cisco Catalyst 6500 Series (IOS) switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Catalyst 6500 Series \(IOS\) Switches](#)):

- [Cisco Catalyst 6500 Series \(IOS\)—Supported Software Versions, page 7-56](#)
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Topologies, page 7-58](#)
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Modules, page 7-58](#)
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Technologies, page 7-65](#)
- [Cisco Catalyst 6500 Series \(IOS\)—Supported Service Events, page 7-66](#)

Cisco Catalyst 6500 Series (IOS)—Supported Software Versions

Table 7-54 *Supported Software Versions for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9*

Software Version	Product_Vers ion
IOS 12.1	3.6.1
IOS 12.1(13)E6	3.6.2
IOS 12.1(20)E3	3.6.2

Table 7-54 **Supported Software Versions for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9 (continued)**

Software Version	Product_Version
IOS 12.2	3.6.1 ¹
IOS 12.2(17d)SXB	3.6.1
IOS 12.2(18)SXD2	3.6.2
IOS 12.2(18)SXD5	3.6.2
IOS 12.2(18)SXE	3.6.1 ²
IOS 12.2(18)SXF	3.6.1 ³
IOS 12.2(18)SXF7	3.6.2 ⁴
IOS 12.2(33)	3.6.1 ⁵
IOS 12.2(33)SRA	3.6.1 ⁶
IOS 12.2(33)SRA6	3.6.3 ⁷
IOS 12.2(33)SXH	3.6.3 ⁸
IOS 12.2(33)SXH1	3.6.3 ⁹
IOS 12.2(33)SXH2	3.6.6 ¹⁰
IOS 12.2(33)SXH2a	3.6.5 ¹¹
IOS 12.2(33)SXI	3.6.4 ¹²
starts with 12.2(SIERRA)	3.6.1 ¹³
IOS 12.2(33)SXI5	ANA-3.7.2-D P3
IOS 12.2(33)SXI2a	ANA-3.7.2-D P3
IOS 12.2(33)SXH8	ANA-3.7.2-D P3
IOS 12.2(18)SXF17a	ANA-3.7.2-D P3
IOS 12.2(50)SY	ANA 3.7.x-DP08

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 ANA models pluggable ports for this IOS version.

Cisco Catalyst 6500 Series (IOS)—Supported Topologies

Table 7-55 **Supported Topologies for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9**

Topology Type	Link Type	Product_Version
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0

Table 7-55 Supported Topologies for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9

Topology Type	Link Type	Product_V ersion
MPLS	MPLS	3.6.0
PWE3 (Martini)	Tunnel	3.6.0
GRE Tunnel	GRE Tunnel	3.6.0
VPN (VRF)	VPN	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.0

Cisco Catalyst 6500 Series (IOS)—Supported Modules

Table 7-56 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
4000W-DC	3.6.2	4000W DC PS for 7609/7613Chassis
6000W-DC	3.6.2	6000W DC PS
7600-ES+40G3C	3.6.7	7600 ES+ Line Card, 40xGE SFP with DFC 3C
7600-ES20	3.6.1	Cisco 7600 Series Ethernet Services Card
7600-ES20-10G3C	3.6.1	Cisco 7600 ES20 line card, 2x10GE XFP with DFC 3C
7600-ES20-10G3CXL	3.6.1	Cisco 7600 ES20 line card, 2x10GE XFP with DFC 3CXL
7600-ES20-GE3C	3.6.1	Cisco 7600 ES20 line card, 20xGE SFP with DFC 3C
7600-ES20-GE3CXL	3.6.1	Cisco 7600 ES20 line card, 20xGE SFP with DFC 3CXL
7600-ES20-PROC	3.6.1	7600 ES20 PROC FRU
7600-ES40-G3CXL	3.6.4	7600 ES+ Line Card, 40xGE SFP with DFC 3CXL
7600-MSFC4	3.6.1	c7600 MSFC4 Daughterboard
7600-SIP-200	3.6.0	SPA Interface Processor-200
7600-SIP-400	3.6.0	SPA Interface Processor-400
7600-SIP-600	3.6.0	SPA Interface Processor-600
7600-SSC-400	3.6.3	Cisco 7600 / Catalyst 6500 Services SPA Carrier Card-400 Rev. 2.0
76-ES+T-20G	3.7.1	7600 ES+T Fixed 20x1G Low Queue Transport 3CXL
76-ES+T-2TG	3.7.1	7600 ES+T Fixed OTN/DWDM+FEC 2x10GE 3C XL Low Queue Transport 3CXL
76-ES+T-40G	3.7.1	7600 ES+T Fixed 40x1G Low Queue Transport 3CXL
76-ES+T-4TG	3.7.1	7600 ES+T Fixed OTN/DWDM+FEC 4x10GE 3C XL Low Queue Transport 3CXL

Table 7-56 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
76-ES+XC-20G3C	3.7	7600 ES+XC Combo 10x1GE/ 1x10GE, DFC3CXL
76-ES+XC-20G3CXL	3.7	7600 ES+XC Combo 10x1GE/ 1x10GE, DFC3CXL
76-ES+XC-40G3C	3.7	Combo 20x1GE/2x10GE - 3C
76-ES+XC-40G3CXL	3.7	Combo 20x1GE/2x10GE - 3CXL
ACE20-MOD-K9	3.6.3	Application Control Engine 20 Hardware
CAT6500FIREWALLSM	3.6.2	Cisco Catalyst 6500 Series Firewall Services Module
CAT6500SSLSM	3.6.2	Cisco Catalyst 6500 Series SSL Services Module
CEVFAN	3.6.1	Fan
DFC-3C	3.6.1	Distributed Forwarding Card 3C
FAN-MOD-09	3.6.4	Catalyst 6509-NEB-A Fan Tray
GLC_BX-U	3.6.7	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1490-nm RX wavelength
GLC-BX-D	3.6.7	1000BASE-BX10 SFP module for single-strand SMF, 1490-nm TX/1310-nm RX wavelength
GLC-LH-SM	3.6.4	Short Wave fiber Gigabit Ethernet
MSFC4	3.6.2	Multilayer Switch Feature Card
OSM-12CT3T1	3.6.0	12-port channelized/unchannelized CT3-T1
OSM-1CHOC12T3-SI	3.6.0	1-port channelized OC-12, SM-IR
OSM-1OC48-POS-SI+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-IR
OSM-1OC48-POS-SL+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-LR
OSM-1OC48-POS-SS+	3.6.0	Enhanced 1-port OC-48/STM-16 SONET/SDH OSM, SM-SR
OSM-2+4GE-WAN+	3.6.0	4-port Gigabit Ethernet WAN (GBIC) with two Layer 2 LAN ports; CEF256
OSM-2OC12-ATM-MM+	3.6.0	Enhanced 2-port OC-12/STM-4 ATM OSM, MM
OSM-2OC12-ATM-SI+	3.6.0	Enhanced 2-port OC-12/STM-4 ATM OSM, SM-IR
OSM-2OC12-POS-SI+	3.6.0	Enhanced 2-port OC-12c/STM-4c POS, SM-IR; CEF256
OSM-4OC12-POS-SI+	3.6.0	Enhanced 4-port OC-12c/STM-4c POS, SM-IR; CEF256
OSM-4OC3-POS-SI+	3.6.0	Enhanced 4-port OC-3c/STM-1c POS, SM-IR;
PA-1FE-FX	3.6.0	1-port Fast Ethernet port adapter
PA-1FE-TX	3.6.0	1-port Fast Ethernet port adapter
PA-2CE/PRI	3.6.1	Not Found
PA-2FE-TX	3.6.0	2-port Fast Ethernet port adapter
PA-4T+	3.6.0	T1/E1 port adapters

Table 7-56 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
PA-A3-E3	3.6.0	ATM with traffic shaping port adapters
PA-A3-T3	3.6.0	ATM with traffic shaping port adapters
PA-MC-2E1/120	3.6.1	2 port multichannel E1 port adapter with G.703 120ohm interf
PA-MC-4T1	3.6.0	T1/E1 port adapters
PA-MC-8T1	3.6.0	T1/E1 port adapters
PA-MC-STM-1	3.6.0	Multichannel STM-1 port adapters
PA-MCX-8TE1	3.6.1	8 port multichannel T1/E1 8PRI port adapter
PA-POS-2OC3	3.6.0	2-port POS OC3c/STM1 port adapter
PFC-3C	3.6.2	Policy Feature Card 3C
PFC-3CXL	3.6.1	Policy Feature Card 3Cxl (PFC3CXL)
PWR-2700-AC/4	3.6.4	2700W AC power supply for Cisco Catalyst 6504-E
PWR-2700-DC/4	3.6.2	2700W DC Power Supply for Cisco 6504-E
PWR-4000-DC	3.6.4	Cisco 4000 Watt DC power supply for Catalyst 6000
RSP720-3C-10GE	3.7	Cisco 7600 Series RSP 720-10GE with 10 Gigabit Ethernet Uplinks that includes PFC-3C and Multilayer Switch Feature Card (MSFC4)
RSP720-3C-GE	3.6.1	Route Switch Processor 720 with PFC3C
RSP720-3CXL	3.6.4	Catalyst 6500 Supervisor Module 720 base board
RSP720-3CXL-10GE	3.7	Cisco 7600 Series RSP 720-10GE with 10 Gigabit Ethernet Uplinks that includes PFC-3CXL and Multilayer Switch Feature Card (MSFC4)
SFP-GE-L	3.6.4	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.6.7	1000BASE-Sx Short wavelength gigabit ethernet SFP
SFP-GE-T	3.6.7	1000BASE-T Copper gigabit ethernet SFP
SFP-GE-Z	3.6.7	1000BASE-Zx Extended reach gigabit ethernet SFP
SFP-OC3-IR1	3.6.0	Intermediate range, single-mode fiber
SFP-OC3-LR1	3.6.0	Long range, single-mode fiber
SFP-OC3-MM	3.6.0	Short range, multimode fiber
SFP-OC3-SR	3.6.1	OC3/STM1 SFP, Single-mode fiber, Short Reach
SPA-10X1GE	3.6.0	10-port Gigabit Ethernet SPA, SFP Optics
SPA-10X1GE-V2	3.6.0	10-port Gigabit Ethernet SPA, SFP Optics
SPA-1XCHSTM1/OC3	3.6.0	1-port Channelized STM1/OC3 to DS0 SPA
SPA-1XOC12-ATM	3.6.0	1-Port OC-12c/STM-4c ATM SPA
SPA-1XOC12-POS	3.6.0	1-port OC-12c/STM-4c POS SPA
SPA-1XOC48-ATM	3.6.0	1 port OC-48c/STM-16 ATM SPA

Table 7-56 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
SPA-1XTENGE-XFP	3.6.0	1-port 10 Gigabit Ethernet SPA, LANPHY XFP Optics
SPA-24CHT1-CE-ATM	3.6.0	24-Port Channelized T1/E1/J1 ATM CEoP SPA
SPA-2X1GE	3.6.0	2-port Gigabit Ethernet SPA, SFP Optics
SPA-2X1GE-V2	3.6.0	2-port Gigabit Ethernet SPA, SFP Optics
SPA-2XCT3/DS0	3.6.0	2-port Channelized T3 to DS0 SPA
SPA-2XOC3-ATM	3.6.0	2-port OC-3c/STM-1c ATM SPA
SPA-2XOC3-POS	3.6.0	2-port OC-3c/STM-1c POS SPA
SPA-2XOC48POS/RPR	3.6.1	1-port 10 Gigabit Ethernet Shared Port Adapter XFP based
SPA-2XOC48POS/RPR	3.6.0	2 port OC-48 POS/RPR SPA with SFP Optics
SPA-2XT3/E3	3.6.0	2-port Clear Channel T3/E3 SPA
SPA-4X1FE-TX-V2	3.6.0	4-port 10/100 Ethernet SPA TX
SPA-4XCT3/DS0	3.6.0	4-port Channelized T3 to DS0 SPA
SPA-4XOC3-ATM	3.6.0	4-port OC-3c/STM-1c ATM SPA
SPA-4XOC3-POS	3.6.0	4-port OC-3c/STM-1c POS SPA
SPA-4XOC48POS/RPR	3.6.0	4-port OC-48c/STM-16 POS/DPT/RPR SPA
SPA-4XT3/E3	3.6.0	4-port Clear Channel T3/E3 SPA
SPA-5X1GE	3.6.0	5-port Gigabit Ethernet SPA, SFP Optics
SPA-5X1GE-V2	3.6.2	5-Port Gigabit Ethernet Shared Port Adapter
SPA-8X1FE-TX-V2	3.6.0	8-port 10/100 Ethernet SPA TX
SPA-8XCHT1E1	3.6.0	8-Port Channelized T1/E1 SPA
SPA-CHOC3-CE-ATM	3.6.2	1-port Channelized OC3/STM-1 ATM + Circuit Emulation Shared Port Adapter
SPA-OC192POS-LR	3.6.0	1-port OC-192c/STM-64 POS/RPR SPA, SM-LR
SPA-OC192POS-XFP	3.6.0	1-port OC-192c/STM-64 POS/RPR SPA, XFP Optics
VS-S720-10G-3C	3.6.1	Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with two 10 Gigabit Ethernet ports and MSFC3 PFC3C
VS-S720-10G-3CXL	3.6.1	Cisco Catalyst 6500 Series Virtual Switching Supervisor Engine 720 with two 10 Gigabit Ethernet ports and MSFC3 PFC3C XL
WS-6700-DFC3B	3.6.1	Catalyst 6500 Distributed forwarding card 3B
WS-6700-DFC3BXL	3.6.1	Catalyst 6500 Distributed forwarding card 3B XL
WS-C6000-CL	3.7	Cisco Catalyst 6000 Clock FRU
WS-C6503-E-FAN	3.6.4	Catalyst 6503-E Chassis Fan Tray
WS-C6506-E-FAN	3.6.4	Catalyst 6506 - E chassis fan Tray

Table 7-56 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
WS-C6509-E-FAN	3.6.0	High-capacity fan tray
WS-C6509-NEB-A	3.6.1	Enhanced 9-slot vertically oriented chassis
WS-C6509-NEB-FAN	3.6.4	Catalyst 6509-NEB Fan Tray for 9-Vertical-Slot System
WS-C6509-V-E-FAN	3.6.4	Catalyst 6509-V-E Fan Tray
WS-C6513-CL	3.7	Cisco Clock Module WS-C6513-CL
WS-C6K-13SLT-FAN2	3.6.0	High Speed Fan Tray for Catalyst 6513 / Cisco 7613
WS-C6K-VTT	3.7	Catalyst 6000 VTT Module
WS-CAC-2500W	3.6.4	Catalyst 6500 2500W AC power supply
WS-CAC-3000W	3.6.4	Catalyst 6500 3000W AC power supply
WS-CAC-4000W-INT	3.6.3	4000W AC PowerSupply, International (cable included)
WS-CAC-6000W	3.6.0	6000W AC power supply
WS-CDC-2500W	3.6.4	Cisco 2500 Watt DC power supply for Catalyst 6000 or 8500 series
WS-F6700-DFC3A	3.6.1	Distributed Forwarding Card 3
WS-F6700-DFC3BXL	3.6.0	Distributed Forwarding Card 3BXL (DFC3BXL) for use on CEF720 modules
WS-F6700-DFC3C	3.6.0	Distributed Forwarding Card 3C (DFC3C) for use on CEF720 modules
WS-F6700-DFC3CXL	3.6.0	Distributed Forwarding Card 3CXL (DFC3CXL) for use on CEF720 modules
WS-F6K-FE48X2-AF	3.6.0	IEEE 802.3af PoE daughter card
WS-F6K-GE48-AF	3.6.0	IEEE 802.3af PoE daughter card
WS-F6K-MSFC2	3.6.1	Multilevel Switching Feature Card Version 2 for Catalyst 6000 that is treated as a standalone system by the NMS
WS-F6K-PFC2	3.6.1	Catalyst 6500 L3 switching engine II
WS-F6K-PFC3BXL	3.6.0	Policy Feature Card 3BXL (PFC3BXL)
WS-F6K-PFC3CXL	3.6.0	Policy Feature Card 3CXL (PFC3CXL)
WS-F6K-VPWR	3.6.0	PoE Daughter card
WS-F6K-VPWR-GE	3.6.0	PoE Daughter card
WS-G5486	3.6.4	Long Haul fiber Gigabit Ethernet
WS-G6483	3.6.0	10GBASE-ER serial 1550 nm extended-reach OIM
WS-G6488	3.6.0	10GBASE-LR serial 1310 nm long-reach OIM
WS-SUP32-10GE-3B	3.6.0	Supervisor Engine 32
WS-SUP32-GE-3B	3.6.0	Supervisor Engine 32
WS-SUP720-3B	3.6.0	Supervisor Engine 720 with PFC3B

Table 7-56 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
WS-SUP720-3BXL	3.6.0	Supervisor Engine 720 with PFC3BXL
WS-SVC-FWM-1	3.6.0	Catalyst 6500 Firewall Module
WS-SVC-IDS2-BUN-K9	3.6.1	Cisco Catalyst 6500 Series Intrusion Detection System (IDSM-2) Service Module
WS-SVC-IDSM-2	3.6.1	Catalyst 6500 Intrusion Detection Module
WS-SVC-MWAM-1	3.6.0	Multi-Processor WAN Application Module
WS-SVC-NAM-1	3.6.0	Network Analysis module 1
WS-SVC-NAM-2	3.6.0	Network Analysis module 2
WS-X6148A-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6148A-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6148FE-SFP	3.6.1	Catalyst 6500 48 port 100Base-X SFP module
WS-X6148-FE-SFP	3.6.0	48 port 100BASE-FX Fast Ethernet Switching Module
WS-X6148-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6148-RJ-21	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6148-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6148X2-RJ-45	3.6.0	96 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6196-RJ-21	3.6.0	96 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6248A-TEL	3.6.0	48 port 10/100TX RJ-21 Enhanced Ethernet/Fast Ethernet Switching Module
WS-X6248-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6248-TEL	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6316-GE-TX	3.6.0	16-port Gigabit Ethernet RJ-45
WS-X6324-100FX-SM	3.6.0	24 port 100FX Single Mode Fast Ethernet Switching Module
WS-X6348-RJ-21	3.6.0	6500 48 port 10/100BaseTX (RJ-21)
WS-X6348-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6408A-GBIC	3.6.0	8-port Gigabit Ethernet GBIC Enhanced QoS Module
WS-X6408-GBIC	3.6.0	8-port Gigabit Ethernet GBIC

Table 7-56 Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
WS-X6416-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6502-10GE	3.6.0	1-port 10-Gigabit Ethernet
WS-X6516A-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6516-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6516-GE-TX	3.6.0	16 port 10/100/1000 Base-T Ethernet Switching Module
WS-X6548-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6548-RJ-21	3.6.0	48 port 10/100TX RJ-21 Ethernet/Fast Ethernet Switching Module
WS-X6548-RJ-45	3.6.0	48 port 10/100TX RJ-45 Ethernet/Fast Ethernet Switching Module
WS-X6582-2PA	3.6.0	Enhanced FlexWAN Module;
WS-X6700-CFC	3.6.0	Centralized Forwarding Card
WS-X6704-10GE	3.6.0	4-port 10-Gigabit Ethernet
WS-X6708-10G-3C	3.6.1	C6K 8 port 10 Gigabit Ethernet module with DFC3C (req. X2)
WS-X6708-10GE	3.6.3	C6K 8 port 10 Gigabit Ethernet module with DFC
WS-X6724-SFP	3.6.0	24-port Gigabit Ethernet SFP
WS-X6748-GE-TX	3.6.0	48 port 10/100/1000 RJ-45 Ethernet Switching Module
WS-X6748-SFP	3.6.0	48-port Gigabit Ethernet SFP
WS-X6816-GBIC	3.6.0	16-port Gigabit Ethernet GBIC
WS-X6K-S1A-MSFC2	3.6.1	Catalyst 6000 Supervisor Engine 1A, 2 Gigabit Ethernet, plus MSFC2 and policy feature card (PFC)
WS-X6K-S2-MSFC2	3.6.1	Catalyst 6500 Supervisor Engine-2, 2GE, plus MSFC-2 / PFC-2
WS-X6K-SUP2-2GE	3.6.1	Supervisor 2 with 2 Gigabit Ethernet ports
X2-10GB-SR	3.6.5	10GBASE-SR Serial 850-nm short-reach multimode (MMF)
XENPAK-10GB-ER	3.6.0	10GBASE-ER Serial 1550-nm extended-reach, single-mode fiber (SMF), dispersion-shifted fiber (DSF)
XENPAK-10GB-LR	3.6.4	10 Gigabit Ethernet Serial 1310nm Laser Xenpak Module
XENPAK-10GB-SR	3.6.0	10GBASE-SR Serial 850-nm short-reach multimode fiber (MMF)
XFP-10GLR-OC192SR	3.6.4	OC192 XFP Single Mode Long Reach 2 (80km).

Table 7-56 **Supported Modules for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9**

Module Name	Product_V ersion	Module Description
WS-SVC-NAM-2-250S	ANA 3.7.x-DP0 8	WS-SVC-NAM-2-250S 8 ports Network Analysis Module Rev. 0.102
WS-SVC-WISM-1-K9	ANA 3.7.x-DP0 8	WS-SVC-WISM-1-K9 10 ports WiSM WLAN Service Module Rev. 2.4
WS-X6848-SFP-2T/2TXL	ANA 3.7.x-DP0 9	WS-X6848-SFP CEF720 48 port 1000mb SFP Rev. 1.0
WS-F6K-DFC4-AXL	ANA 3.7.x-DP0 9	WS-F6K-DFC4-AXL EARL8 Distributed Forwarding Card Rev. 1.0
WS-X6908-10GE-S	ANA 3.7.x-DP0 7	WS-X6908-10GE-S CEF720 8 port 10GE Rev. 0.560
VS-SUP2T-10G	ANA 3.7.x-DP0 7	VS-SUP2T-10G 5 ports Supervisor Engine 2T 10GE w/ CTS Rev. 0.530
WS-C6513-E FAN	ANA 3.7.x-DP0 7	Enhanced 13-slot Fan Tray 1

Cisco Catalyst 6500 Series (IOS)—Supported Technologies

The following technologies are supported by the Cisco Catalyst 6500 Series (IOS) in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [ATM, page 7-105](#)
- [HDLC, page 7-111](#)
- [SONET/SDH, page 7-111](#)
- [TDM/DSx, page 7-112](#)
- [MPLS, page 7-116](#)
- [MPLS-TE, page 7-118](#)
- [VPN \(VRF\), page 7-120](#)
- [PWE3, page 7-121](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)

- [Serial, page 7-127](#)
- [Additional Technologies, page 7-128](#)
- [LocalSwitching, page 7-128](#)
- [BFD, page 7-129](#)
- [Carrier Ethernet, page 7-129](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)
- [Ethernet OAM, page 7-133](#)

Cisco Catalyst 6500 Series (IOS)—Supported Service Events

Table 7-57 *Supported Service Events for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9*

Event Name	Product_V ersion	Expedited
Active ip interfaces found	3.6.0	N
All ip interfaces down	3.6.0	N
BGP link down due to admin	3.6.0	N
BGP link down due to oper	3.6.0	N
BGP link down vrf due to admin	3.6.0	N
BGP link down vrf due to oper	3.6.0	N
BGP link up	3.6.0	N
BGP neighbor found	3.6.0	N
BGP neighbor loss due to admin	3.6.0	N
BGP neighbor loss due to oper	3.6.0	N
BGP neighbor loss VRF due to admin	3.6.0	N
BGP neighbor loss VRF due to oper	3.6.0	N
BGP process up	3.6.0	N
Card down	3.6.0	N
Card in	3.6.0	N
Card out	3.6.0	N
Card up	3.6.0	N
CPU utilization exceeded upper threshold	3.6.0	N
CPU utilization less than lower threshold	3.6.0	N
Device Managed	3.6.0	N
Device Partially Managed	3.6.0	N
Device Unsupported	3.6.0	N

Table 7-57 **Supported Service Events for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9 (continued)**

Event Name	Product_V ersion	Expedited
Discarded packet rate exceeded upper threshold	3.6.0	N
Discarded packet rate is below lower threshold	3.6.0	N
Dropped packet rate exceeded upper threshold	3.6.0	N
Dropped packet rate is below lower threshold	3.6.0	N
Dual stack IP added	3.6.0	N
Dual stack IP removed	3.6.0	N
High priority member down	3.6.0	N
High Priority MPLS-TE tunnel down	3.6.0	N
Interface status down	3.6.0	N
Interface status up	3.6.0	N
keepalive configured	3.6.0	N
keepalive not configured	3.6.0	N
l2tp peer established	3.6.0	N
l2tp peer is removed	3.6.0	N
LAG down	3.6.0	N
LAG Link down	3.6.0	N
LAG Link up	3.6.0	N
LAG up	3.6.0	N
Layer 2 tunnel up	3.6.0	N
LDP neighbor down	3.6.0	N
LDP neighbor up	3.6.0	N
Link down due to admin down	3.6.0	N
Link down due to Card event	3.6.0	N
Link down due to oper down	3.6.0	N
Link down on unreachable	3.6.0	N
Link over utilized	3.6.0	N
Link up	3.6.0	N
Link utilization normal	3.6.0	N
Logical port up	3.6.0	N
Low priority member down	3.6.0	N
Low Priority MPLS-TE tunnel down	3.6.0	N
Management Unreachable	3.6.0	N

Table 7-57 **Supported Service Events for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9 (continued)**

Event Name	Product_V ersion	Expedited
Medium priority member down	3.6.0	N
Medium Priority MPLS-TE tunnel down	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N
Memory utilization less than lower threshold	3.6.0	N
Module Unsupported	3.6.0	N
MPLS Black hole cleared	3.6.0	N
MPLS Black hole found	3.6.0	N
MPLS interface added	3.6.0	N
MPLS interface removed	3.6.0	Y
MPLS TE FRR State Changed to Active	3.6.0	N
MPLS TE FRR State Changed to Ready	3.6.0	N
MPLS-TE tunnel down	3.6.0	N
MPLS-TE tunnel up	3.6.0	N
OSPF Neighbor Down	3.6.0	N
OSPF Neighbor Up	3.6.0	N
Port down due to admin	3.6.0	N
Port down due to Card down	3.6.0	N
Port down due to Card out	3.6.0	N
Port down due to oper	3.6.0	N
Port up	3.6.0	N
Primary HSRP interface active	3.6.0	N
Primary HSRP interface not active	3.6.0	N
rx dormant normal	3.6.0	N
Rx utilization exceeded upper threshold	3.6.0	N
Rx utilization is below lower threshold	3.6.0	N
Secondary HSRP interface active	3.6.0	N
Secondary HSRP interface not active	3.6.0	N
Service down	3.6.0	N
Service up	3.6.0	N
Shelf in	3.6.0	N

Table 7-57 **Supported Service Events for Cisco Catalyst 6500 Series (IOS)—Cisco Prime Network 3.9 (continued)**

Event Name	Product_V ersion	Expedited
Shelf out	3.6.7	N
SONET Path down due to Admin	3.6.0	N
SONET Path down due to Card	3.6.0	N
SONET Path down due to Oper	3.6.0	N
SONET Path Link down due to Card event	3.6.0	N
SONET Path Link down on unreachable	3.6.0	N
tx dormant normal	3.6.0	N
Tx utilization exceeded upper threshold	3.6.0	N
Tx utilization is below lower threshold	3.6.0	N
rep port role change	Prime Network 3.8	Y
pluggable transceiver out	Prime Network 3.8	N
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco ME 6500 Series Ethernet Switches (6524)

This section includes the following information about Cisco ME 6500 Series (6524) switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco ME 6500 Series Ethernet Switches \(6524\)](#)):

- [Cisco ME 6500 Series \(6524\)—Supported Software Versions, page 7-70](#)
- [Cisco ME 6500 Series \(6524\)—Supported Topologies, page 7-70](#)
- [Cisco ME 6500 Series \(6524\)—Supported Modules, page 7-70](#)
- [Cisco ME 6500 Series \(6524\)—Supported Technologies, page 7-71](#)
- [Cisco ME 6500 Series \(6524\)—Supported Service Events, page 7-71](#)

Cisco ME 6500 Series (6524)—Supported Software Versions

Table 7-58 *Supported Software Versions for Cisco ME 6500 Series (6524)—Cisco Prime Network 3.9*

Software Version	Product_Version
12.2	3.6.0
12.2(18)ZU	3.6.0 ¹
12.2(18)ZU1	3.6.0 ²
12.2(18)ZU2	3.6.0 ³
12.2(33)SXI	3.7 ⁴

^{1, 2, 3, 4}ANA models pluggable ports for this IOS version.

Cisco ME 6500 Series (6524)—Supported Topologies

Table 7-59 *Supported Topologies for Cisco ME 6500 Series (6524)—Cisco Prime Network 3.9*

Topology Type	Link Type	Product_Version
ATM	ATM	3.6.0
BGP	BGP	3.6.0
Ethernet	Ethernet	3.6.0
MPLS	MPLS	3.6.0
VPN (VRF)	VPN	3.6.0
Physical Layer	Physical Layer	3.6.0
LAG	LAG	3.6.2

Cisco ME 6500 Series (6524)—Supported Modules

Table 7-60 *Supported Modules for Cisco ME 6500 Series (6524)—Cisco Prime Network 3.9*

Module Name	Product_Version	Module Description
ME-C6524GT-8S	3.6.0	32 ports Cisco ME 6524 Ethernet Switch Rev. 1.1
WS-6148A-GE-TX	3.6.0	Catalyst 6500 48 port 10/100/1000BaseTX (RJ-45) module
WS-6148-GE-TX	3.6.0	Catalyst 6000 48 port 10/100/1000BaseT(RJ-45) module

Cisco ME 6500 Series (6524)—Supported Technologies

The following technologies are supported by the Cisco ME 6500 Series (6524) in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [MPLS, page 7-116](#)
- [MPLS-TE, page 7-118](#)
- [VPN \(VRF\), page 7-120](#)
- [PWE3, page 7-121](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [Additional Technologies, page 7-128](#)
- [Carrier Ethernet, page 7-129](#)
- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)
- [Ethernet OAM, page 7-133](#)

Cisco ME 6500 Series (6524)—Supported Service Events

Table 7-61 Supported Service Events for Cisco ME 6500 Series (6524)—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.6.0	Y
All IP Interfaces Down	3.6.0	Y
BGP process up	3.6.0	N
Card Down	3.6.0	Y
Card In	3.6.0	Y
Card Out	3.6.0	Y
Card Up	3.6.0	Y
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.6.0	N
Link up	3.6.0	N
Memory utilization exceeded upper threshold	3.6.0	N

Table 7-61 Supported Service Events for Cisco ME 6500 Series (6524)—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Module Unsupported	3.6.0	N
rep port role change	3.8.0	Y
pluggable transceiver out	3.8.0	N
fan-tray down	3.8.0	N
fan-tray out	3.8.0	N
power-supply down	3.8.0	N

Cisco ME 3600X Ethernet Access Switch

This section includes the following information about Cisco ME 3600X switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco ME 3600X Ethernet Access Switch](#)):

- [Cisco ME 3600X—Supported Software Versions, page 7-72](#)
- [Cisco ME 3600X—Supported Topologies, page 7-73](#)
- [Cisco ME 3600X—Supported Modules, page 7-73](#)
- [Cisco ME 3600X—Supported Technologies, page 7-74](#)
- [Cisco ME 3600X—Supported Service Events, page 7-75](#)

Cisco ME 3600X—Supported Software Versions

Table 7-62 Supported Software Versions for Cisco ME 3600X—Cisco Prime Network 3.9

Software Version	Product_Vers ion
IOS 12.2(52)SE	3.7.1
IOS 12.2(52)EY	3.7.1.0.4
IOS 12.2(52)EY1	3.7.2-DP-3.0
IOS 12.2(52)EY2	3.7.X-DP-4.0
IOS 15.1(2)EY	3.7.X-DP-6.0
IOS 12.2(52)EY3	3.7.X-DP-9.0

Cisco ME 3600X—Supported Topologies

Table 7-63 Supported Topologies for Cisco ME 3600X—Cisco Prime Network 3.9

Topology Type	Link Type	Product_V ersion
BGP	BGP	3.7.1

Table 7-63 Supported Topologies for Cisco ME 3600X—Cisco Prime Network 3.9 (continued)

Topology Type	Link Type	Product_V ersion
Ethernet	Ethernet	3.7.1
MPLS	MPLS	3.7.1
Physical Layer	Physical Layer	3.7.1

Cisco ME 3600X—Supported Modules

Table 7-64 Supported Modules for Cisco ME 3600X—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
CWDM-SFP-1470	3.7.1	1470nm color coded CWDM SFP
CWDM-SFP-1490	3.7.1	1490nm color coded CWDM SFP
CWDM-SFP-1510	3.7.1	1510nm color coded CWDM SFP
CWDM-SFP-1530	3.7.1	1530nm color coded CWDM SFP
CWDM-SFP-1550	3.7.1	1550nm color coded CWDM SFP
CWDM-SFP-1570	3.7.1	1570nm color coded CWDM SFP
CWDM-SFP-1590	3.7.1	1590nm color coded CWDM SFP
CWDM-SFP-1610	3.7.1	1610nm color coded CWDM SFP
GLC-BX-D	3.7.1	1000BASE-BX10-D downstream bidirectional single fiber SFP
GLC-BX-U	3.7.1	1000BASE-BX10-U upstream bidirectional single fiber SFP
GLC-FE-100BX-D	3.7.1	Fiber Fast Ethernet bi-directional 10km Downlink over SMF
GLC-FE-100BX-U	3.7.1	Fiber Fast Ethernet bi-directional 10km Uplink over SMF
GLC-FE-100EX	3.7.1	100 BaseEX Fiber Fast Ethernet
GLC-FE-100FX	3.7.1	Short Wave Fiber Fast Ethernet
GLC-FE-100LX	3.7.1	Long Wave Fiber Fast Ethernet 10km over SMF
GLC-LH-SM	3.7.1	Longwavelength gigabit ethernet SFP
GLC-SX-MM	3.7.1	Shortwavelength gigabit ethernet SFP
GLC-T	3.7.1	Copper gigabit ethernet SFP
GLC-ZX-SM	3.7.1	Extended reach gigabit ethernet
ME-FANTRAY	3.7.1	Metro Ethernet 3600X/3800X Fan Tray
PWR-390W-AC	3.7.1	Metro Ethernet 3600X/3800X AC power supply
PWR-390W-DC	3.7.1	Metro Ethernet 3600X/3800X DC power supply
SFP-10G-LR	3.7.1	10Gigabit XFP Multi Mode Long Reach

Table 7-64 Supported Modules for Cisco ME 3600X—Cisco Prime Network 3.9 (continued)

Module Name	Product_V ersion	Module Description
SFP-10G-LRM	3.7.1	10GBASE-LRM SFP+ transceiver module for MMF and SMF, 1310-nm wavelength, LC duplex connector
SFP-10G-SR	3.7.1	10Gigabit XFP Multi Mode Short Reach
SFP-GE-L	3.7.1	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.7.1	1000BASE-Sx Short wavelength gigabit ethernet SFP.

Cisco ME 3600X—Supported Technologies

The following technologies are supported by the Cisco ME 3600X in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [TDM/DSx, page 7-112](#)
- [MPLS, page 7-116](#)
- [MPLS-TE, page 7-118](#)
- [VPN \(VRF\), page 7-120](#)
- [PWE3, page 7-121](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)
- [LocalSwitching, page 7-128](#)
- [BFD, page 7-129](#)
- [Carrier Ethernet, page 7-129](#)
- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)
- [Ethernet OAM, page 7-133](#)

Cisco ME 3600X—Supported Service Events

Table 7-65 Supported Service Events for Cisco ME 3600X—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.7.1	Y
All IP Interfaces Down	3.7.1	Y

Table 7-65 Supported Service Events for Cisco ME 3600X—Cisco Prime Network 3.9 (continued)

Event Name	Product_V ersion	Expedited
BGP process up	3.7.1	N
Card Down	3.7.1	Y
Card Up	3.7.1	Y
CPU utilization exceeded upper threshold	3.7.1	N
Device Unsupported	3.7.1	N
Keepalive configured	3.7.1	N
Keepalive not configured	3.7.1	N
Layer 2 Tunnel Down	3.7.1	N
Link up	3.7.1	N
Memory utilization exceeded upper threshold	3.7.1	N
Module Unsupported	3.7.1	N
MPLS Black Hole found	3.7.1	N
Pluggable transceiver out	Prime Network 3.8	N
Port up	Prime Network 3.8	Y

Cisco ME 3800X Carrier Ethernet Switches

This section includes the following information about Cisco ME 3800X switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco ME 3800X Carrier Ethernet Switches](#)):

- [Cisco ME 3800X—Supported Software Versions, page 7-76](#)
- [Cisco ME 3800X—Supported Topologies, page 7-76](#)
- [Cisco ME 3800X—Supported Modules, page 7-76](#)
- [Cisco ME 3800X—Supported Technologies, page 7-77](#)
- [Cisco ME 3800X—Supported Service Events, page 7-78](#)

Cisco ME 3800X—Supported Software Versions

Table 7-66 Supported Software Versions for Cisco ME 3800X—Cisco Prime Network 3.9

Software Version	Product_Vers ion
IOS 12.2(52)SE	3.7.1

Table 7-66 Supported Software Versions for Cisco ME 3800X—Cisco Prime Network 3.9

Software Version	Product_Vers ion
IOS 12.2(52)EY	3.7.1.0.4
IOS 12.2(52)EY1	3.7.2-DP-3.0
IOS 12.2(52)EY2	3.7.X-DP-4.0
IOS 15.1(2)EY	3.7.X-DP-6.0
IOS 12.2(52)EY3	3.7.X-DP-9.0

Cisco ME 3800X—Supported Topologies

Table 7-67 Supported Topologies for Cisco ME 3800X—Cisco Prime Network 3.9

Topology Type	Link Type	Product_V ersion
BGP	BGP	3.7.1
Ethernet	Ethernet	3.7.1
MPLS	MPLS	3.7.1
LAG	LAG	3.7.1

Cisco ME 3800X—Supported Modules

Table 7-68 Supported Modules for Cisco ME 3800X—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
CWDM-SFP-1470	3.7.1	1470nm color coded CWDM SFP
CWDM-SFP-1490	3.7.1	1490nm color coded CWDM SFP
CWDM-SFP-1510	3.7.1	1510nm color coded CWDM SFP
CWDM-SFP-1530	3.7.1	1530nm color coded CWDM SFP
CWDM-SFP-1550	3.7.1	1550nm color coded CWDM SFP
CWDM-SFP-1570	3.7.1	1570nm color coded CWDM SFP
CWDM-SFP-1590	3.7.1	1590nm color coded CWDM SFP
CWDM-SFP-1610	3.7.1	1610nm color coded CWDM SFP
GLC-BX-D	3.7.1	1000BASE-BX10-D downstream bidirectional single fiber SFP
GLC-BX-U	3.7.1	1000BASE-BX10-U upstream bidirectional single fiber SFP
GLC-FE-100BX-D	3.7.1	Fiber Fast Ethernet bi-directional 10kmDownlink over SMF

Table 7-68 **Supported Modules for Cisco ME 3800X—Cisco Prime Network 3.9 (continued)**

Module Name	Product_V ersion	Module Description
GLC-FE-100BX-U	3.7.1	Fiber Fast Ethernet bi-directional 10km Uplinkover SMF
GLC-FE-100EX	3.7.1	100 BaseEX Fiber FastEthernet
GLC-FE-100FX	3.7.1	Short Wave Fiber Fast Ethernet
GLC-FE-100LX	3.7.1	Long Wave Fiber Fast Ethernet 10km over SMF
GLC-LH-SM	3.7.1	Longwavelength gigabit ethernet SFP
GLC-SX-MM	3.7.1	Shortwavelength gigabit ethernet SFP
GLC-T	3.7.1	Copper gigabit ethernet SFP
GLC-ZX-SM	3.7.1	Extended reach gigabit ethernet
ME-FANTRAY	3.7.1	Metro Ethernet 3600X/3800X Fan Tray
PWR-390W-AC	3.7.1	Metro Ethernet 3600X/3800X AC power supply
PWR-390W-DC	3.7.1	Metro Ethernet 3600X/3800X DC power supply
SFP-10G-LR	3.7.1	10Gigabit XFP Multi Mode Long Reach
SFP-10G-LRM	3.7.1	10GBASE-LRM SFP+ transceiver module for MMF and SMF, 1310-nm wavelength, LC duplex connector
SFP-10G-SR	3.7.1	10Gigabit XFP Multi Mode Short Reach
SFP-GE-L	3.7.1	1000BASE-LH/LX pluggable transceiver
SFP-GE-S	3.7.1	1000BASE-Sx Short wavelength gigabit ethernet SFP.

Cisco ME 3800X—Supported Technologies

The following technologies are supported by the Cisco ME 3800X in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [TDM/DSx, page 7-112](#)
- [MPLS, page 7-116](#)
- [MPLS-TE, page 7-118](#)
- [VPN \(VRF\), page 7-120](#)
- [PWE3, page 7-121](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)
- [LocalSwitching, page 7-128](#)
- [BFD, page 7-129](#)
- [Carrier Ethernet, page 7-129](#)

- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)
- [Ethernet OAM, page 7-133](#)

Cisco ME 3800X—Supported Service Events

Table 7-69 Supported Service Events for Cisco ME 3800X—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.7.1	Y
All IP Interfaces Down	3.7.1	Y
BGP process up	3.7.1	N
Card Down	3.7.1	Y
Card Up	3.7.1	Y
CPU utilization exceeded upper threshold	3.6.0	N
Device Unsupported	3.7.1	N
Keepalive configured	3.7.1	N
Keepalive not configured	3.7.1	N
Layer 2 Tunnel Down	3.7.1	N
Link up	3.7.1	N
Memory utilization exceeded upper threshold	3.7.1	N
Module Unsupported	3.7.1	Y
MPLS Black Hole found	3.7.1	N
Pluggable transceiver out	Prime Network 3.8	N
Rep port role change	Prime Network 3.8	Y

Cisco Nexus 7000 Series Switches

This section includes the following information about Cisco Nexus 7000 switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Nexus 7000 Series Switches](#)):

- [Cisco Nexus 7000—Supported Software Versions, page 7-79](#)
- [Cisco Nexus 7000—Supported Topologies, page 7-79](#)
- [Cisco Nexus 7000—Supported Modules, page 7-80](#)

- [Cisco Nexus 7000—Supported Technologies, page 7-80](#)
- [Cisco Nexus 7000—Supported Service Events, page 7-81](#)

Cisco Nexus 7000—Supported Software Versions

Table 7-70 Supported Software Versions for Cisco Nexus 7000—Cisco Prime Network 3.9

Software Version	Product_Version
NX-OS 4.2(2)	3.7.1
NX-OS 4.2(3)	3.7.1
NX-OS 4.2(4)	3.7.2
NX-OS 5.0(3)	3.7.2
NX-OS 5.0(5)	ANA-3.7.2-D P1
NX-OS 5.1(1)	ANA-3.7.2-D P1
NX-OS 4.2(6)	ANA-3.7.2-D P3
NX-OS 6.0.2	ANA38 DP 2.0
NX-OS 5.2.1	373DP6.0

Cisco Nexus 7000—Supported Topologies

Table 7-71 Supported Topologies for Cisco Nexus 7000—Cisco Prime Network 3.9

Topology Type	Link Type	Product_Version
Business	Business	3.7.1
Ethernet	Ethernet	3.7.1
Physical Layer	Physical Layer	3.7.1

Cisco Nexus 7000—Supported Modules

Table 7-72 Supported Modules for Cisco Nexus 7000—Cisco Prime Network 3.9

Module Name	Product_Version	Module Description
GLC-SX-MM	3.7.1	1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength
N7K-AC-7.5KW-US	3.7.1	Nexus 7000 - 7.5KW AC Power Supply Module US

Table 7-72 Supported Modules for Cisco Nexus 7000—Cisco Prime Network 3.9 (continued)

Module Name	Product_V ersion	Module Description
N7K-C7010-FAB-1	3.7.1	Nexus 7000 - 10 Slot Chassis - 46Gbps/Slot Fabric Module
N7K-C7018-FAB-1	3.7.1	Nexus 7000 - 18 Slot Chassis - 46Gbps/Slot Fabric Module
N7K-C7018-FAN	3.7.1	Nexus 7000 - 18 Slot Fan
N7K-DC-6.0KW	3.7.2	Nexus 7000 - 6.0KW DC Power Supply Module
N7K-M108X2-12L	3.7.2	Nexus 7000 - 8 Port 10GbE with XL option (req. X2)
N7K-M132XP-12	3.7.1	Nexus 7000 - 32 Port 10GbE, 80G Fabric (req. SFP+)
N7K-M148GS-11	3.7.1	Nexus 7000 - 48 Port 1G, SFP
N7K-M148GS-11L	3.7.2	Nexus 7000 - 48 Port GE Module with XL Option
N7K-M148GT-11	3.7.1	Nexus 7000 - 48 Port 10/100/1000, RJ-45
N7K-SUP1	3.7.1	Nexus 7000 - Supervisor, Includes External 8GB Log Flash
SFP-10G-LR	3.7.1	Cisco 10GBASE-LR SFP+ Module for SMF
SFP-10G-SR	3.7.1	Cisco 10GBASE-SR SFP+ Module for MMF
SFP-GE-S	3.7.1	1000BASE-SX pluggable transceiver
N7K-F132XP-15	ANA-3.7.2-DP1	Nexus 7000 - 32 Port 1G/10G Ethernet Module, SFP/SFP+
N7K-C7010-FAN-S	ANA-3.7.2-DP4	Nexus 7000 - 10 Slot System Fan
N7K-C7010-FAN-F	ANA-3.7.2-DP4	Nexus 7000 - 10 Slot Fabric Fan
N2K-C2248TP-1GE	ANA 3.7.x-DP9	Cisco Nexus 2000 Series 1GE Fabric Extender

Cisco Nexus 7000—Supported Technologies

The following technologies are supported by the Cisco Nexus 7000 in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [VPN \(VRF\), page 7-120](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [CDP, page 7-132](#)

Cisco Nexus 7000—Supported Service Events

Table 7-73 Supported Service Events for Cisco Nexus 7000—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.7.1	Y
All IP Interfaces Down	3.7.1	Y
BGP process up	3.7.1	N
Card Down	3.7.1	Y
Card In	3.7.1	Y
Card Out	3.7.1	Y
Card Up	3.7.1	Y
CPU utilization exceeded upper threshold	3.7.1	N
Device Unsupported	3.7.1	N
Layer 2 Tunnel Down	3.7.1	N
Link up	3.7.1	N
Memory utilization exceeded upper threshold	3.7.1	N
Module Unsupported	3.7.1	N
MPLS Black Hole found	3.7.1	N
pluggable transceiver out	Prime Network 3.8	N
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Nexus 5000 Series Switches

This section includes the following information about Cisco Nexus 5000 switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Nexus 5000 Series Switches](#)):

- [Cisco Nexus 5000—Supported Software Versions](#), page 7-82
- [Cisco Nexus 5000—Supported Topologies](#), page 7-82
- [Cisco Nexus 5000—Supported Modules](#), page 7-82

- [Cisco Nexus 5000—Supported Technologies, page 7-83](#)
- [Cisco Nexus 5000—Supported Service Events, page 7-83](#)

Cisco Nexus 5000—Supported Software Versions

Table 7-74 Supported Software Versions for Cisco Nexus 5000—Cisco Prime Network 3.9

Software Version	Product_Version
NX-OS 4.1(3)N2(1a))	3.7.2
NX-OS 4.2(1)N2(1)	3.7.2
5.0(2)N2(1)	3.7.2
5.0(2)N1(1)	ANA 3.7.x-DP08

Cisco Nexus 5000—Supported Topologies

Table 7-75 Supported Topologies for Cisco Nexus 5000—Cisco Prime Network 3.9

Topology Type	Link Type	Product_Version
Ethernet	Ethernet	3.7.2
Physical Layer	Physical Layer	3.7.2

Cisco Nexus 5000—Supported Modules

Table 7-76 Supported Modules for Cisco Nexus 5000—Cisco Prime Network 3.9

Module Name	Product_Version	Module Description
N5K-C5020-FAN	3.7.2	Cisco Nexus 5020 Fan Module
N5K-PAC-1200W	3.7.2	Nexus 5020 PSU module, 100-240VAC 1200W
SFP-10G-LR	3.7.2	Cisco 10GBASE-LR SFP+ Module for SMF
N5K-M1404	3.7.2	N5000 1000 Series Mod 4x10GE 4xFC 4/2/1G(req SFP+/SFP)
N5K-PAC-550W	ANA 3.7.x-DP08	Nexus 5010 PSU module, 110-208VAC 550w
N5K-C5010-FAN	ANA 3.7.x-DP08	Cisco Nexus 5010 Fan Module

Table 7-76 Supported Modules for Cisco Nexus 5000—Cisco Prime Network 3.9 (continued)

Module Name	Product_V ersion	Module Description
N2K-C2248TP-1GE	ANA 3.7.x-DP9	Cisco Nexus 2000 Series 1GE Fabric Extender

Cisco Nexus 5000—Supported Technologies

The following technologies are supported by the Cisco Nexus 5000 in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Ethernet, page 7-99](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [CDP, page 7-132](#)

Cisco Nexus 5000—Supported Service Events

Table 7-77 Supported Service Events for Cisco Nexus 5000—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.7.2	Y
All IP Interfaces Down	3.7.2	Y
Card Down	3.7.2	Y
Card In	3.7.2	Y
Card Out	3.7.2	Y
Card Up	3.7.2	Y
CPU utilization exceeded upper threshold	3.7.2	N
Device Unsupported	3.7.2	N
Link down due to admin down	3.7.2	Y
Link down due to Card event	3.7.2	Y
Link down due to oper down	3.7.2	Y
Link up	3.7.2	N
Memory utilization exceeded upper threshold	3.7.2	N
Module Unsupported	3.7.2	N
pluggable transceiver out	Prime Network 3.8	N

Table 7-77 Supported Service Events for Cisco Nexus 5000—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Nexus 1000 Series Switches

This section includes the following information about Cisco Nexus 1000v switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Nexus 1000 Series Switches](#)):

- [Cisco Nexus 1000v—Supported Software Versions, page 7-84](#)
- [Cisco Nexus 1000v—Supported Modules, page 7-85](#)
- [Cisco Nexus 1000v—Supported Technologies, page 7-85](#)

Cisco Nexus 1000v—Supported Software Versions

Table 7-78 Supported Software Versions for Cisco Nexus 1000v—Cisco Prime Network 3.9

Software Version	Product_Vers ion
4.2(1)SV1(5.1)	ANA 3.7.x-DP09, CiscoPrimeN etwork-3.8-D P1

Cisco Nexus 1000v—Supported Modules

Table 7-79 Supported Modules for Cisco Nexus 1000v—Cisco Prime Network 3.9

Module Name	Product_V ersion	Module Description
VIRTUAL SUPERVISOR MODULE	ANA 3.7.x-DP0 9, CiscoPri meNetwo rk-3.8-DP 1	Virtual Supervisor Module
VIRTUAL ETHERNET MODULE	ANA 3.7.x-DP0 9, CiscoPri meNetwo rk-3.8-DP 1	Virtual Ethernet Module

Cisco Nexus 1000v—Supported Technologies

The following technologies are supported by the Cisco Nexus 1000v in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Ethernet, page 7-99](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [CDP, page 7-132](#)

Cisco ACE 4700 Series Access Control Engine

This section includes the following information about Cisco ACE 4700 switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco ACE 4700 Series Access Control Engine](#)):

- [Cisco ACE 4700—Supported Software Versions, page 7-86](#)
- [Cisco ACE 4700—Supported Topologies, page 7-86](#)
- [Cisco ACE 4700—Supported Technologies, page 7-86](#)
- [Cisco ACE 4700—Supported Service Events, page 7-86](#)

Cisco ACE 4700—Supported Software Versions

Table 7-80 Supported Software Versions for Cisco ACE 4700—Cisco Prime Network 3.9

Software Version	Product_Version
ACE Appliance SW 3.2	3.7.1

Cisco ACE 4700—Supported Topologies

Table 7-81 Supported Topologies for Cisco ACE 4700—Cisco Prime Network 3.9

Topology Type	Link Type	Product_Version
Business	Business	3.7.1
Ethernet	Ethernet	3.7.1
Physical Layer	Physical Layer	3.7.1

Cisco ACE 4700—Supported Technologies

The following technologies are supported by the Cisco ACE 4700 in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)

Cisco ACE 4700—Supported Service Events

Table 7-82 Supported Service Events for Cisco ACE 4700—Cisco Prime Network 3.9

Event Name	Product_Version	Expedited
Active ip interfaces found	3.7.1	N
All ip interfaces down	3.7.1	N
BFD connectivity down	3.7.1	N
BFD connectivity up	3.7.1	N
BFD neighbor found	3.7.1	N
BFD neighbor loss	3.7.1	N
BGP link down due to admin	3.7.1	N
BGP link down due to oper	3.7.1	N
BGP link down vrf due to admin	3.7.1	N

Table 7-82 **Supported Service Events for Cisco ACE 4700—Cisco Prime Network 3.9 (continued)**

Event Name	Product_V ersion	Expedited
BGP link down vrf due to oper	3.7.1	N
BGP link up	3.7.1	N
BGP neighbor found	3.7.1	N
BGP neighbor loss due to admin	3.7.1	N
BGP neighbor loss due to oper	3.7.1	N
BGP neighbor loss VRF due to admin	3.7.1	N
BGP neighbor loss VRF due to oper	3.7.1	N
BGP process down	3.7.1	N
BGP process up	3.7.1	N
Card down	3.7.1	N
Card in	3.7.1	N
Card out	3.7.1	N
Card up	3.7.1	N
Device Managed	3.7.1	N
Device Partially Managed	3.7.1	N
Device Unsupported	3.7.1	N
Discarded packet rate exceeded upper threshold	3.7.1	N
Discarded packet rate is below lower threshold	3.7.1	N
Dropped packet rate exceeded upper threshold	3.7.1	N
Dropped packet rate is below lower threshold	3.7.1	N
DS1 Path down due to Admin	3.7.1	N
DS1 Path down due to Card	3.7.1	N
DS1 Path down due to Oper	3.7.1	N
DS1 Path Link down due to Card event	3.7.1	N
DS1 Path Link down on unreachable	3.7.1	N
DS1 Path up	3.7.1	N
DS3 Path down due to Admin	3.7.1	N
DS3 Path down due to Card	3.7.1	N
DS3 Path down due to Oper	3.7.1	N
DS3 Path Link down due to admin down	3.7.1	N

Table 7-82 **Supported Service Events for Cisco ACE 4700—Cisco Prime Network 3.9 (continued)**

Event Name	Product_V ersion	Expedited
DS3 Path Link down due to Card event	3.7.1	N
DS3 Path Link down due to oper down	3.7.1	N
DS3 Path Link down on unreachable	3.7.1	N
DS3 Path Link up	3.7.1	N
DS3 Path up	3.7.1	N
Dual stack IP added	3.7.1	N
Dual stack IP removed	3.7.1	N
GRE tunnel down	3.7.1	N
GRE tunnel up	3.7.1	N
High priority member down	3.7.1	N
High Priority MPLS-TE tunnel down	3.7.1	N
Interface status down	3.7.1	N
Interface status up	3.7.1	N
keepalive configured	3.7.1	N
keepalive not configured	3.7.1	N
l2tp peer established	3.7.1	N
l2tp peer is removed	3.7.1	N
l2tp peer not established	3.7.1	N
Layer 2 tunnel up	3.7.1	N
LDP neighbor down	3.7.1	N
LDP neighbor up	3.7.1	N
Link down due to admin down	3.7.1	N
Link down due to Card event	3.7.1	N
Link down due to oper down	3.7.1	N
Link down on unreachable	3.7.1	N
Link over utilized	3.7.1	N
Link up	3.7.1	N
Link utilization normal	3.7.1	N
Local switching entry down	3.7.1	N
Local switching entry up	3.7.1	N
Logical port down	3.7.1	N
Logical port up	3.7.1	N
Low priority member down	3.7.1	N
Low Priority MPLS-TE tunnel down	3.7.1	N
Management Unreachable	3.7.1	N

Table 7-82 Supported Service Events for Cisco ACE 4700—Cisco Prime Network 3.9 (continued)

Event Name	Product_V ersion	Expedited
Medium priority member down	3.7.1	N
Medium Priority MPLS-TE tunnel down	3.7.1	N
Memory utilization exceeded upper threshold	3.7.1	N
Memory utilization less than lower threshold	3.7.1	N
MPLS Black hole cleared	3.7.1	N
MPLS Black hole found	3.7.1	N
MPLS interface added	3.7.1	N
MPLS interface removed	3.7.1	N
MPLS TE FRR State Changed to Active	3.7.1	N
MPLS TE FRR State Changed to Ready	3.7.1	N
MPLS-TE tunnel down	3.7.1	N
MPLS-TE tunnel up	3.7.1	N
OSPF Neighbor Down	3.7.1	N
OSPF Neighbor Up	3.7.1	N
Port down due to admin	3.7.1	N
Port down due to Card down	3.7.1	N
Port down due to Card out	3.7.1	N
Port down due to oper	3.7.1	N
Port up	3.7.1	N
Primary HSRP interface is active	3.7.1	N
Primary HSRP interface is not active	3.7.1	N
rx dormant	3.7.1	N
rx dormant normal	3.7.1	N
Rx utilization exceeded upper threshold	3.7.1	N
Rx utilization is below lower threshold	3.7.1	N
Secondary HSRP interface is active	3.7.1	N
Secondary HSRP interface is not active	3.7.1	N
Service down	3.7.1	N
Service up	3.7.1	N
Shelf in	3.7.1	N

Table 7-82 **Supported Service Events for Cisco ACE 4700—Cisco Prime Network 3.9 (continued)**

Event Name	Product_V ersion	Expedited
Shelf out	3.7.1	N
SONET Path down due to Admin	3.7.1	N
SONET Path down due to Card	3.7.1	N
SONET Path Link down due to Card event	3.7.1	N
SONET Path Link down on unreachable	3.7.1	N
SONET Path up	3.7.1	N
tx dormant	3.7.1	N
tx dormant normal	3.7.1	N
Tx utilization exceeded upper threshold	3.7.1	N
Tx utilization is below lower threshold	3.7.1	N
VC changed	3.7.1	N
VC removed	3.7.1	N
VC Restored	3.7.1	N
fan-tray down	Prime Network 3.8	N
fan-tray out	Prime Network 3.8	N
power-supply down	Prime Network 3.8	N

Cisco Service Control Engines

This section includes the following information about Cisco SCE switches (for information on the NE types supported in Cisco Prime Network 3.9, see [Cisco Service Control Engines](#)):

- [Cisco SCE—Supported Topologies, page 7-91](#)
- [Cisco SCE—Supported Technologies, page 7-91](#)
- [Cisco SCE—Supported Service Events, page 7-91](#)

Cisco SCE—Supported Topologies

Table 7-83 Supported Topologies for Cisco SCE—Cisco Prime Network 3.9

Topology Type	Link Type	Product_V ersion
Business	Business	3.7
Ethernet	Ethernet	3.7
Physical Layer	Physical Layer	3.7

Cisco SCE—Supported Technologies

The following technologies are supported by the Cisco SCE in Cisco Prime Network 3.9:

- [IP, page 7-92](#)
- [Ethernet, page 7-99](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)

Cisco SCE—Supported Service Events

Table 7-84 Supported Service Events for Cisco SCE—Cisco Prime Network 3.9

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	3.7.1	Y
All IP Interfaces Down	3.7.1	Y
BGP process up	3.7.1	N
Card Down	3.7.1	Y
Card Up	3.7.1	Y
CPU utilization exceeded upper threshold	3.7.1	N
Device Unsupported	3.7.1	Y
Layer 2 Tunnel Down	3.7.1	N
Link up	3.7.1	N
Memory utilization exceeded upper threshold	3.7.1	N
Module Unsupported	3.7.1	Y
MPLS Black Hole found	3.7.1	N

Supported Technologies on Cisco Switches

The following sections list the objects and attributes that are supported on Cisco switches in Cisco Prime Network 3.9 per technology:

- [IP, page 7-92](#)
- [Routing Protocols, page 7-96](#)
- [Ethernet, page 7-99](#)
- [ATM, page 7-105](#)
- [Frame Relay, page 7-108](#)
- [PPP, page 7-110](#)
- [HDLC, page 7-111](#)
- [SONET/SDH, page 7-111](#)
- [TDM/DSx, page 7-112](#)
- [MPLS, page 7-116](#)
- [MPLS-TE, page 7-118](#)
- [VPN \(VRF\), page 7-120](#)
- [PWE3, page 7-121](#)
- [Security, page 7-122](#)
- [Hardware, page 7-124](#)
- [Serial, page 7-127](#)
- [Additional Technologies, page 7-128](#)
- [LocalSwitching, page 7-128](#)
- [BFD, page 7-129](#)
- [Carrier Ethernet, page 7-129](#)
- [LLDP, page 7-131](#)
- [CDP, page 7-132](#)
- [Discovery Protocol, page 7-132](#)
- [Ethernet OAM, page 7-133](#)

IP

Table 7-85 IP Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IPIInterface																							
IP Address		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 7-85 IP Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Subnetwork Mask		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IP Interface Addresses Array		Y			Y	Y		Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Interface Name	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Interface Description						Y		Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y
IP Interface State	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
OSPF Interface Cost																							
Broadcast Address									Y														
MTU																							
Lookup Method																							
Address Resolution Type																							
ARP Timeout																							
Secured ARP																							
ICMP Mask Reply																							
IGMP Proxy																							
HSRP Groups							Y		Y						Y	Y	Y	Y					
IP Multiplexing Table																							
IANA Type									Y														
Containing CTPs																							
Contained CTPs																							
IMO Name—IIPMuxEntry																							
Termination Point					Y	Y		Y							Y	Y							
Destination IP Subnet					Y	Y		Y							Y	Y							
IMO Name—IRoutingEntity																							
Routing Table		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
ARP Entity		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
Routing Table Changes													Y										
Name		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y					
Logical Sons		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y					
IMO Name—IRoutingEntry																							
Destination IP Subnet		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Next Hop IP Address		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Type		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Table 7-85 IP Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Routing Protocol Type		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Outgoing Interface Name		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
IMO Name—IARPEntity																							
ARP Table		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IARPEntity																							
IP Address		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
MAC Address		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Port		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Entry Type							Y	Y		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IMO Name—IIPPool																							
IP Address Pool Entries																							
Name																							
Index																							
IMO Name—IIPRangeBasedIIPPoolEntry																							
Start IP Address																							
End IP Address																							
Unused Addresses																							
Used Addresses																							
Reserved Addresses																							
IMO Name—IIPSubnetBasedIIPPoolEntry																							
IP Subnet																							
Unused Addresses																							
Used Addresses																							
Reserved Addresses																							
IMO Name—HSRPGGroupEntry																							
Group Number							Y		Y ₂	Y ₃				Y	Y	Y	Y						
Port Description							Y		Y ₄	Y ₅				Y	Y	Y	Y						
Priority							Y		Y ₆	Y ₇				Y	Y	Y	Y						
Coupled Router							Y		Y ₈	Y ₉				Y	Y	Y	Y						
State							Y		Y ₁₀	Y ₁₁				Y	Y	Y	Y						

Table 7-85 IP Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Tracking Interfaces																	Y						
Virtual IP Address								Y		Y ¹²	Y ¹³				Y	Y	Y	Y					
Virtual MAC Address								Y		Y ¹⁴	Y ¹⁵				Y	Y	Y	Y					
IMO Name—I Tunnel GRE																							
Name								Y		Y ¹⁶	Y ¹⁷	Y	Y		Y	Y							
Tunnel Destination and Source								Y		Y ¹⁸	Y ¹⁹	Y	Y		Y	Y							
IP Address								Y		Y ²⁰	Y ²¹	Y	Y		Y	Y							
IP Interface State											Y				Y	Y							
IANA Type																							
Containing CTPs																							
Contained CTPs																							
Keep Alive Time								Y		Y	Y		Y										
Keep Alive Retry								Y		Y	Y		Y										
IMO Name—IVrrpGroupEntry																							
Group Number																							
State																							
Port Description																							
Master IP Address																							
Primary IP Address																							
Priority																							
Virtual Mac Address																							
Preempt Mode																							
Admin State																							
Advertisement Interval																							
Tracking Interfaces																							
IMO Name—IIPSLAResponderService																							
responderStatus			Y ²²																				
TWAMPResponderStatus			Y ²³																				

Table 7-85 IP Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
tcpConnect			Y ²⁴																				
udpEcho			Y ²⁵																				
IMO Name—IIPAddressPortPair																							
type			Y ²⁶																				
ipAddress			Y ²⁷																				
port			Y ²⁸																				

1, 2, 3, 4, 5, 6, 7Not supported for version 12.2(58)SE1

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18Supported for 4503E, 4507RE, 4507, and 4506E only.

19, 20, 21, 22, 23, 24, 25, 26, 27, 28Validated with 12.2(52)SG only.

Routing Protocols

Table 7-86 Routing Protocols Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IBgpNeighborEntry																							
Remote Identifier						Y		Y		Y ¹	Y ²	Y			Y	Y	Y	Y	Y				
Neighbor Type																			Y				
Distributing Interfaces																							
Remote Address						Y		Y		Y ³	Y ⁴	Y			Y	Y	Y	Y	Y				
Remote Autonomous System						Y		Y		Y ⁵	Y ⁶	Y			Y	Y	Y	Y	Y				
Peer State						Y		Y		Y ⁷	Y ⁸	Y			Y	Y	Y	Y	Y				
Peer AdminState								Y											Y				
Hold Time						Y		Y		Y ⁹	Y ¹⁰	Y			Y	Y	Y	Y	Y				

Table 7-86 Routing Protocols Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Keep Alive Time						Y		Y		Y ¹¹	Y ¹²	Y			Y	Y	Y	Y	Y				
VrfName																			Y				
Address family						Y													Y				
IMO Name—IospfEntry																							
Area Identifier			Y					Y		Y ¹³	Y ¹⁴	Y			Y	Y	Y	Y					
IP Address			Y					Y		Y ¹⁵	Y ¹⁶	Y			Y	Y	Y	Y					
Type			Y					Y		Y ¹⁷	Y ¹⁸	Y			Y	Y	Y	Y					
Administrative Status			Y					Y		Y ¹⁹	Y ²⁰	Y			Y	Y	Y	Y					
Ospf Entry State			Y					Y		Y ²¹	Y ²²	Y			Y	Y	Y	Y					
IMO Name—IospfProcess																							
Process Id																	Y	Y	Y				
OSPF Version																	Y	Y	Y				
Router Id																	Y	Y	Y				
IMO Name—IospfNeighbor																							
Neighbor Id																	Y	Y	Y				
Outgoing Interface																	Y	Y	Y				
State																	Y	Y	Y				
Neighbor Interface Address																	Y	Y	Y				
Area Id																	Y	Y	Y				
IMO Name—IospfInterface																							
Area Id																	Y	Y	Y				
Network Type																	Y	Y	Y				
Cost																	Y	Y	Y				
State																	Y	Y	Y				
Interface Address																							
Type																	Y	Y	Y				
IF Priority																	Y	Y	Y				
DR Id																	Y	Y	Y				
BDR Id																	Y	Y	Y				

Table 7-86 Routing Protocols Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—ISpfTimers																							
Schedule Delay																	Y	Y	Y				
Min Hold Time																	Y	Y	Y				
Max Wait Time																	Y	Y	Y				
IMO Name—IISISProcess																							
ISIS Version																	Y	Y					
Manual Area Address																	Y	Y					
IS Type																	Y	Y					
System Id																	Y	Y					
Process Id																	Y	Y					
IMO Name—IISISMetric																							
IS Type																	Y	Y					
Metric Style																	Y	Y					
Metric Value																	Y	Y					
Address Family																	Y	Y					
IMO Name—IISISInterface																							
Interface Name																	Y	Y					
IMO Name—IISISNeighbor																							
IS Type																	Y	Y					
System Id																	Y	Y					
Admin State																	Y	Y					
Hold Time																	Y	Y					
SNPA																	Y	Y					
Interface Name																	Y	Y					
IP Address																	Y	Y					
Adress Family																	Y	Y					

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 Supported for 4503E, 4507RE, 4507, and 4506E only.

12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 Validated with 12.2(52)SG only.

Ethernet

Table 7-87 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IM0 Name—ILinkAggregationGroup802dot3ad																							
dot3adAggMACAddress		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
dot3adAggActorSystemPriority		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
dot3adAggActorSystemID		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
dot3adAggActorAdminKey		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
dot3adAggActorOperKey		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
dot3adAggPartnerSystemID		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
dot3adAggPartnerSystemPriority		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
dot3adAggPartnerOperKey		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
dot3adAggCollectorMaxDelay		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
GroupNumber		Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y			Y				
AggregationProtocolType		Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y			Y				
MacAddress		Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y			Y				
ChannelAdminStatus		Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y			Y				
ChannelOperStatus		Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y			Y				
IM0 Name—IEthernet																							
MAC Address	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y			Y
Duplex Mode																							
Output Flow Control																							
Input Flow Control																							
IANA Type																Y							
Containing CTPs																							
Contained CTPs																							
Port Type			Y																				
isElmiEnabled								Y							Y								
isLOAMEnabled								Y							Y		Y	Y					
IM0 Name—IVlanInterface																							
Mode			Y		Y	Y	Y	Y		Y	Y	Y		Y	Y	Y	Y	Y	Y				

Table 7-87 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Native VLAN Identification			Y		Y	Y	Y	Y		Y ²	Y	Y		Y	Y	Y	Y	Y	Y				
Virtual LAN Table																							
IANA Type																Y							
Containing CTPs																	Y	Y					
Contained CTPs																	Y	Y					
vlanAdminType			Y					Y			Y			Y			Y	Y					
vlanencapType			Y					Y			Y			Y			Y	Y					
getAccess																							
Allowed Vlans								Y			Y			Y			Y	Y					
IMO Name—IVlanEncapMux																							
IANA Type							Y	Y															
Containing CTPs																							
Contained CTPs																							
IMO Name—IVlanMapping																							
direction			Y ³					Y							Y	Y							
vlanMatchCriteria			Y ⁴					Y							Y	Y							
vlanRewriteDefinition			Y ⁵					Y							Y	Y							
Drop			Y ⁶					Y							Y	Y							
Vlan			Y ⁷					Y							Y	Y							
innerVlan			Y ⁸					Y							Y	Y							
translatedVlan			Y ⁹					Y							Y	Y							
translatedInnerVlan			Y ¹⁰					Y							Y	Y							
IMO Name—IIEEE802																							
VLAN Identification			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y							
Binding Information																							
Binding Status																							
IANA Type				Y	Y	Y	Y	Y	Y	Y					Y	Y							

Table 7-87 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Containing CTPs																							
Contained CTPs																							
IMO Name—IStpService																							
StpProtocol		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpMaxAge		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
StpHelloTime		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
StpBridgeForwardDelay		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
StpInstanceInfoTable		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
Same as ISystemService																			Y				
StpUplinkFastState		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpBackboneFastState		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpForwardDelay		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
StpBridgeMaxAge		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
StpBridgeHelloTime		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
IMO Name—IMstService																							
MstProperties		Y					Y						Y						Y				
Same as IStpService		Y					Y						Y						Y				
IMO Name—IPvstpService																							
UpLinkFast		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
BackboneFast		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
IMO Name—IMstProperties																							
MstForceVersion		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
MstCfgIdFmtSel		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
MstExternalRootCost		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
MstMaxInstances		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
MstCfgIdName		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
MstCfgIdRevLevel		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
IMO Name—IStpInstanceInfo																							
Object Identification																			Y				
StpBridgeId		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
BridgePriority		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
Designated Parent and Root Bridges		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpRootCost		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				

Table 7-87 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IsRoot		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpRootPort		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpPortInfoTable		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
STP Instance Id		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
Vlan Id																			Y				
StpDesignatedBridge		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpDesignatedRoot		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
IMO Name—IMstInstanceInfo																							
MstVlanIds		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
Same as IStpInstanceInfo		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
IMO Name—IPvstInstanceInfo																							
Protocol Type		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpBridgeMaxAge		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpBridgeHelloTime		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpBridgeForwardDelay		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpProtocolSpecification		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpVlanId		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpForwardDelay		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
StpMaxAge		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
IMO Name—IRstpInstanceInfo																							
StpForceVersion		Y	¹¹	Y	Y	Y	¹²	¹³	Y	Y	Y	Y		Y	¹⁴	Y	¹⁵	¹⁶					
Same as IStpInstanceInfo		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y					
IMO Name—IStpPortInfo																							
StpPort		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
StpPortPriority		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
StpPortState		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
StpPortPathCost		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
StpPortEdgePort		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
StpPortPointToPoint		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
StpPortRole		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
StpDesignatedPortIdentifier		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
StpDesignatedBridge		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
StpPortIdentifier		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
StpPortBpduGuardState		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				

Table 7-87 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
StpPortBpduFilterState		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
IMO Name—IMstPortInfo																							
MstPortHelloTime		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y		Y	Y					
Same as IStpPortInfo		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
IMO Name—IPvstpPortInfo																							
PvstpPortFastState		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y				
IMO Name—IEthernetChannel																							
Group Number		Y ¹⁷	Y	Y	Y ¹⁸	Y ¹⁹	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y		Y		
Bandwidth		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y		Y		
Aggregation Protocol		Y ²⁰	Y	Y	Y ²¹	Y ²²	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	Y		Y		
IANA Type		Y ²³	Y	Y	Y ²⁴	Y ²⁵	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	Y		Y		
Containing CTPs																			Y				
Contained CTPs																			Y				
Mac Address								Y									Y	Y	Y		Y		
Admin Status								Y						Y			Y	Y	Y		Y		
Oper Status								Y						Y			Y	Y	Y		Y		
IMO Name—ITokenRingLayer2																							
MAC Address																							
IANA Type																							
Containing CTPs																							
Contained CTPs																							
IMO Name—ITokenRingLayer1																							
Same as IPhysicalLayer																							
IMO Name—IVtpService																							
Version	Y	Y	²⁶	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							
OperatingMode	Y	Y	²⁷	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							
DomainName		Y	²⁸	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							
ConfigurationRevision	Y	Y	²⁹	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							
isPruningEnabled	Y	Y	³⁰	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							
isAuthenticationEnabled	Y	Y	³¹	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							

Table 7-87 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IREFService																							
version		Y 32	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
administrativeVlan		Y 33	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
notificationEnabled		Y 34	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
IMO Name—IREFSegmentInfo																							
segmentId		Y 35	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
segmentComplete		Y 36	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
IMO Name—IREFPortInfo																							
portName		Y 37	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
portKey		Y 38	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
segmentId		Y 39	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
portType		Y 40	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
portRole		Y 41	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
operStatus		Y 42	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
blockedVlans		Y 43	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
preemptTimer		Y 44	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
lslAgeoutTimer		Y 45	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
remoteDeviceName		Y 46	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
remoteDeviceMac		Y 47	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
remotePortName		Y 48	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
configuredLoadBalancingBlockedVlans		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					

Table 7-87 Ethernet Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IM0 Name—IBridgeLan																							
Id																							
IM0 Name—IIBridgeEntry																							
IS Id																							
IBridge																							
BBridge																							

^{1,2,3}SNMP is supported from ANA 3.6.0

^{4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20}Not Supported on IOS version 12.2(25)SEE2

^{21,22,23,24,25,26,27,28}Supported only on ME3400-E devices.

^{29,42,43,46,47,48}CSCti41937

^{30,31,32,33,34,35}The MIB provides data by default, but the device does not support VTP.

^{36,37,38,39,40,41}SNMP is supported on ANA 3.6.0 and later.

^{44,45}Supported for 12.2(25)EWA14 only.

ATM

Table 7-88 ATM Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IM0 Name—IATm																							
ATM Address																							
Interface Type																							
VP and VC Ranges																							
VC Table															Y								
Cross-Connect Table																							
IANA Type															Y								
Containing CTPs																							
Contained CTPs																							
Tx Allocated Bandwidth															Y								
Tx Maximum Bandwidth															Y								
Tx UBR Allocated Bandwidth															Y								

Table 7-88 ATM Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Tx CBR Allocated Bandwidth															Y								
Rx Allocated Bandwidth															Y								
Rx Maximum Bandwidth															Y								
Rx UBR Allocated Bandwidth															Y								
Rx CBR Allocated Bandwidth															Y								
IMO Name—IAtmVc																							
Virtual Channel Identifier															Y								
Virtual Path Identifier															Y								
Shaping Profile																							
Discarded and Received Input Data Counters															Y								
Dropped and Forward Output Data Counters															Y								
Ingress Traffic Descriptor															Y								
Egress Traffic Descriptor															Y								
Administrative Status															Y								
Operational Status															Y								
IANA Type																							
Containing CTPs																							
Contained CTPs																							
IMO Name—IAtmTrafficDescriptor																							
Traffic Descriptor Type															Y								
Service Category															Y								
Cell Loss Priority															Y								
Cell Delay Variation																							
Cell Delay Variation Tolerance															Y								
Maximum High Priority and Aggregate Cell Rates															Y								
Minimum High Priority and Aggregate Cell Rates															Y								
Sustainable High Priority and Aggregate Cell Rates															Y								

Table 7-88 ATM Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Peak High Priority and Aggregate Cell Rates															Y								
Name																							
Index																							
IMO Name—IAtmTrafficShapingDescriptor																							
Maximum Burst Size																							
Sustainable and Peak Cell Rates																							
Cell Delay Variation																							
State																							
Buffer Size																							
Cell Loss Priority Discarded Size																							
Name																							
Index																							
IMO Name—IAtmTrunk																							
Same as IAtm																							
IMO Name—IAtmLogicalPort/Trunk																							
Resource Management Cell Termination																							
Resource Management Cell Generation																							
Effective Check Input and Output Capacities																							
Admin Status																							
Oper Status																							
Same as IAtm																							
IMO Name—IAtmTrunkVc																							
Destination Description																							
Same as IAtmVc																							
IMO Name—IVcSwitchingEntity																							
Cross Connect Table																							
crossConnectTableSize																							
Logical Sons																							
IMO Name—IIMAGroup																							
AdminStatus																							

Table 7-88 ATM Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
OperStatus																							
GroupNumber																							
ImaVersion																							
Speed																							
ConfiguredBandwidth																							
NumberOfLinks																							
NumberOfActiveLinks																							
MinimumNumberOfTxLinks																							
MinimumNumberOfRxLinks																							
ClockMode																							
FrameLength																							
interfaceName																							
groupStatus																							

Frame Relay

Table 7-89 Frame Relay Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IFrameRelay/IFrTrunk																							
Protocol Type																							
VC Table																							
Cross-Connect Table																							
IANA Type																							
Containing CTPs																							
Contained CTPs																							
IMO Name—IfrVc																							
Data Link Connection Identifier																							
Traffic Descriptor																							

Table 7-89 **Frame Relay Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)**

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Discard and Received Input Data Counters																							
Dropped and Forward Output Data Counters																							
Ingress Traffic Descriptor																							
Egress Traffic Descriptor																							
Administrative Status																							
Operational Status																							
IANA Type																							
Containing CTPs																							
Contained CTPs																							
IMO Name—I FR Traffic Descriptor																							
Committed Rate																							
Excess Burst Rate																							
Name																							
Index																							
IMO Name—I Frame Relay Logical Port/Trunk																							
Admin Status																							
Oper Status																							
Same as IFrameRelay																							
IMO Name—I FR Trunk Vc																							
Destination Description																							
Same as IFRvc																							
IMO Name—I Encapsulation																							
Virtual Connection Interface														Y									
Binding Information																							
IMO Name—I Frame Relay Logical Port/Trunk																							
Admin Status																							
Oper Status																							
Same as IFrameRelay																							

PPP

Table 7-90 PPP Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IVcBasedEncapsulation																							
Virtual Connection																							
Binding Information																							
Binding Status														Y									
IANA Type														Y									
Containing CTPs																							
Contained CTPs																							
IMO Name—IMLPPP																							
InterfaceName																							
GroupNumber																							
MTU																							
FragmentDelay																							
FragmentDisable																							
FragmentMaximum																							
FragmentSize																							
Interleave																							
Keepalive																							
KeepaliveTime																							
KeepaliveRetry																							
ActiveLink																							
MinimumConfiguredLink																							
MaximumConfiguredLink																							
LocalMRRU																							
RemoteMRRU																							
LoadThreshold																							
LCPStatus																							
AdminStatus																							
OperStatus																							

HDLC

Table 7-91 HDLC Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IEncapsulation (HDLC/PPP)																							
Virtual Connection																							
Binding Information															Y								
Binding Status															Y								
IANA Type															Y								
Containing CTPs																							
Contained CTPs																							

SONET/SDH

Table 7-92 SONET/SDH Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—ISonetSdh																							
Specific Type																							
Loopback Type															Y								
Scrambling Mode															Y								
Same as IPhysicalLayer																							
TCAThresholdB1																							
TCAThresholdB2																							
TCAThresholdB3																							
clocking																							
IMO Name—IDS1PdhChannelized																							
Au4Number																							
Au3Number																							
Sts1Number																							
Tug3Number																							
Tug2Number																							
VtNumber																							

Table 7-92 SONET/SDH Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
C11Number																							
C12Number																							
Vt15Number																							
Vt2Number																							
T1Number																							
E1Number																							
PathType																							
Description																							
IMO Name—ISonetSdhHop																							
Description																							
AppliqueType																							
PathType																							
IMO Name—ISonetSts1																							
Sts1Number																							
IMO Name—ISdhAu4																							
Au4Number																							
IMO Name—ISdhAu3																							
Au3Number																							

TDM/DSx

Table 7-93 TDM/DSx Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IDS0Bundle																							
Bundled Time Slots															Y								
Bundle Location																							
IANA Type															Y								
Containing CTPs																							
Contained CTPs																							
AdminStatus																							
OperStatus																							

Table 7-93 TDM/DSx Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IDS1Pdh / IDS3Pdh																							
Framing Type																							
Cell Mapping Type																							
Loopback Type															Y								
Scrambling Mode															Y								
Same as IPhysicalLayer																							
portDescription																							
internationalBit																							
nationalBits																							
framing																							
lineCode																							
cableLength																							
recoveredClockingId																							
clocking																							
loopback																							
alarmState																							
IMO Name—IClockService																							
ActiveClockSource																	Y	Y					
NcsMode																	Y	Y					
HoldTimeout																	Y	Y					
UseStratum4																	Y	Y					
Mode																	Y	Y					
NcsPriorityList																	Y	Y					
PtpService																	Y	Y					
ClockSourceTable																	Y	Y					
PseudowireClockRecovery																	Y	Y					
SynchronousEthernet																	Y	Y					
IMO Name—IClockSource																							
Priority																	Y	Y					
Source																	Y	Y					
Status																	Y	Y					
Type																	Y	Y					
IMO Name—IPtpService																							
Mode																							

Table 7-93 TDM/DSx Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
ClockId																							
Domain																							
Priority1																							
Priority2																							
PtpEnabled																							
PtpInterfaceList																							
ptpState																							
IMO Name—IPTptInterface																							
Version																							
AnnounceInterval																							
AnnounceTimeout																							
DestinationAddress																							
SourceAddress																							
DelayReq																							
MasterMode																							
SlaveMode																							
SyncInterval																							
SyncLimit																							
InterfaceXid																							
Role																							
Transport																							
State																							
IMO Name—IACRService																							
RecoveredClockSource																							
RecoveredClockMode																							
CemInterface																							
RecoveredClockList																							
IMO Name—IRecoveredClock																							
ClockId																							
RecoveredClockMode																							
Port																							
Cem																							
Status																							
FrequencyOffset																							

Table 7-93 TDM/DSx Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
CEMGroupId																							
CEMInterfaceName																							
TransferType																							
IMO Name—ICEMEncap																							
cemIfName																							
IMO Name—ICEMGroup																							
IdlePattern																							
IdleCAS																							
DeJitter																							
PayloadSize																							
RTP																							
RTPHeader																							
TimeSlots																							
AdminStatus																							
OperStatus																							
IMO Name—ISyncE																							
synchronousMode																	Y	Y					
equipmentClock																	Y	Y					
clockMode																	Y	Y					
ssmOption																	Y	Y					
esmcMode																	Y	Y					
holdOffTimer																	Y	Y					
waitToRestore																	Y	Y					
Revertive																	Y	Y					
IMO Name—ISyncEInterface																							
InterfaceName																							
selectionInput																	Y	Y					
ingressESMCMode																	Y	Y					
egressESMCMode																	Y	Y					
ingressQLMode																	Y	Y					
ingressQuality																	Y	Y					
egressQLMode																	Y	Y					
egressQuality																	Y	Y					
waitToRestore																	Y	Y					

Table 7-93 TDM/DSx Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
holdOffTimer																	Y	Y					
ingressConfQuality																	Y	Y					
egressConfQuality																	Y	Y					
Priority																	Y	Y					
ingressSSM																	Y	Y					
egressSSM																	Y	Y					
clockModeStr																	Y	Y					

MPLS

Table 7-94 MPLS Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IMpls																							
Distribution Protocol								Y							Y	Y	Y	Y					
LabelStack																							
TopLabel																							
Outer and Inner Labels																							
Traffic Engineering Properties								Y							Y	Y	Y	Y					
Resource reservation Properties																							
IANA Type								Y							Y		Y	Y					
Containing CTPs																							
Contained CTPs																							
IMO Name—ILse																							
MPLS Table								Y							Y	Y	Y	Y					
MPLS Aggregate Table								Y							Y	Y	Y	Y					
MPLS Tunnel Segments								Y									Y	Y					
LDP Service								Y									Y	Y					
Logical Sons								Y							Y	Y	Y	Y					

Table 7-94 MPLS Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—ILdpService																							
Local Identification Status								Y									Y	Y					
LDP Peers								Y							Y	Y	Y	Y					
IMO Name—ILdpPeer																							
Peer Identification								Y							Y	Y	Y	Y					
Transport Address								Y							Y	Y	Y	Y					
Distribution Method								Y							Y	Y	Y	Y					
Protocol Type								Y									Y	Y					
Path Vector Limit								Y							Y	Y	Y	Y					
Session Status								Y							Y	Y	Y	Y					
Protocol Version Hold Time															Y	Y							
Hold Time								Y							Y	Y	Y	Y					
Keep Alive Time															Y	Y							
Peer Discovery Sources								Y							Y	Y	Y	Y					
IMO Name—ILdpDiscoverySource																							
Interface Name								Y							Y	Y	Y	Y					
Source Address								Y							Y	Y	Y	Y					
Type								Y							Y	Y	Y	Y					
IMO Name—IMplsEntry																							
Incoming Label								Y							Y	Y	Y	Y					
Outgoing Interface and Label								Y							Y	Y	Y	Y					
Switching Action								Y							Y	Y	Y	Y					
Next Hop IP Address								Y							Y	Y	Y	Y					
Destination Mask								Y							Y	Y	Y	Y					
Destination address								Y							Y	Y	Y	Y					
IMO Name—IMplsAggregateEntry																							
Virtual Routing Entity								Y							Y	Y	Y	Y					
Incoming Label								Y							Y	Y	Y	Y					
Outgoing Interface and Label								Y							Y	Y	Y	Y					
Switching Action								Y							Y	Y	Y	Y					
Next Hop IP Address								Y							Y	Y	Y	Y					

Table 7-94 MPLS Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IMplsLabelRange																							
Type								Y									Y	Y					
minValue								Y									Y	Y					
MaxValue								Y									Y	Y					

MPLS-TE

Table 7-95 MPLS-TE Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IMplsTETunnel																							
Destination Address								Y							Y	Y	Y	Y					
Outgoing Interface and Label								Y							Y	Y	Y	Y					
LSP Identification								Y							Y	Y	Y	Y					
Requested Bandwidth								Y							Y	Y	Y	Y					
Measured Average Burst and Peak Bandwidth								Y							Y	Y	Y	Y					
Setup and Hold Priority								Y							Y	Y	Y	Y					
Affinity Bits and Mask								Y							Y	Y	Y	Y					
Automatic Route Announcement Status								Y							Y	Y	Y	Y					
Optimization Lock Down Status								Y							Y	Y	Y	Y					
Path Option								Y							Y	Y	Y	Y					
Name								Y							Y	Y	Y	Y					
Description								Y							Y	Y	Y	Y					
Administrative Status								Y							Y	Y	Y	Y					
Operational Status								Y							Y	Y	Y	Y					
IANA Type								Y							Y	Y	Y	Y					
is FRR Enabled																	Y	Y					
TunnelType								Y									Y	Y					

Table 7-95 MPLS-TE Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
DestinationAddress								Y									Y	Y					
Sub Lsp Status								Y									Y	Y					
OutInterface																							
OutLabel																							
TunnelAffinity																							
TunnelAffinityMask																							
TunnelAutoRoute								Y									Y	Y					
TunnelBandwidthKbps																							
TunnelAverageRateKbps																							
TunnelBurstKbps																							
TunnelPeakRateKbps																							
TunnelSetupPriority																							
TunnelHoldPriority																							
TunnelLockdown																							
TunnelPolicyClass																							
P2MPDestinations								Y									Y	Y					
IMO Name—IMplsTEProperties																							
Administrative Weight								Y							Y	Y	Y	Y					
Attributes Identifier																Y							
Signaling Protocol								Y							Y		Y	Y					
Available Physical and Reservable Bandwidth								Y							Y	Y	Y	Y					
Reserved Bandwidth								Y							Y	Y	Y	Y					
IMO Name—IMplsTEPropertiesAllocationEntry																							
Priority Level																							
Allocated and Cumulative Bandwidth																							
IMO Name—IMplsTESegment																							
Segment Type								Y							Y	Y							
Measured Average Burst and Peak Bandwidth								Y							Y	Y							
LSP Identification								Y							Y	Y							
Name								Y							Y	Y							
FRRTunnelName																	Y	Y					
FRRTunnelState																	Y	Y					

Table 7-95 MPLS-TE Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
AverageBandwidth								Y							Y	Y							
In Interface								Y							Y	Y							
Out interface								Y							Y	Y							
In Label								Y							Y	Y							
Out Label								Y							Y	Y							
Source address								Y							Y	Y							
Destination address								Y							Y	Y							
TunnelType								Y															

VPN (VRF)

Table 7-96 VPN (VRF) Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IVrf																							
Virtual Routing Table						Y		Y							Y	Y	Y	Y	Y				
Exported Route Targets						Y		Y							Y	Y	Y	Y					
Imported Route Targets						Y		Y							Y	Y	Y	Y					
Route Distinguisher						Y		Y							Y	Y	Y	Y					
ARP Entity						Y		Y							Y	Y	Y	Y	Y				
Name						Y		Y							Y	Y	Y	Y	Y				
Logical Sons						Y		Y							Y	Y	Y	Y					
Description																	Y	Y					
Import Route-Map																	Y	Y					
Export Route-Map																	Y	Y					
IMO Name—IVrfEntry																							
Next Hop BGP Address						Y		Y							Y	Y	Y	Y					
Incoming and Outgoing Inner Label						Y		Y							Y	Y	Y	Y					
Outer Label						Y		Y							Y	Y	Y	Y					
Destination IP Subnet						Y		Y							Y	Y	Y	Y	Y				
Next Hop IP Address						Y		Y							Y	Y	Y	Y	Y				

Table 7-96 VPN (VRF) Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Type						Y		Y							Y	Y	Y	Y					
Routing Protocol Type						Y		Y							Y	Y	Y	Y	Y				
Outgoing Interface Name						Y		Y							Y	Y	Y	Y	Y				
IMO Name—IMpBgp																							
BGP Identifier						Y		Y		Y	Y	Y			Y	Y	Y	Y	Y				
Local Autonomous System						Y		Y		Y	Y	Y			Y	Y	Y	Y	Y				
Cross Virtual Routing Table								Y									Y	Y					
BGP Neighbors						Y		Y		Y	Y	Y				Y	Y	Y	Y				
Logical Sons						Y		Y							Y	Y	Y	Y					
IMO Name—ICrossVrf																							
Virtual Routing Entries								Y									Y	Y					
Virtual Routing Entity Name								Y									Y	Y					
IMO Name—ICrossVrfRoutingEntry																							
Outgoing Virtual Routing Entity Identifier																							
Incoming and Outgoing Virtual Routing Tags																							
Destination IP Subnet								Y							Y	Y	Y	Y					
Next Hop IP Address								Y							Y	Y	Y	Y					
Type								Y							Y	Y	Y	Y					
Routing Protocol Type								Y							Y	Y	Y	Y					
Outgoing Interface Name																							

PWE3

Table 7-97 PWE3 Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IPTPLayer2MplsTunnel																							
Local and Remote Router Addresses								Y							Y	Y	Y	Y					

Table 7-97 *PWE3 Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)*

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Local and Remote Virtual Connection Labels								Y							Y	Y	Y	Y					
Tunnel Identification								Y							Y	Y	Y	Y					
Tunnel Status								Y							Y	Y	Y	Y					
Local and Remote Tunnel Interface																Y							
IANA Type								Y							Y	Y	Y	Y					
Containing CTPs																							
Contained CTPs																							
PsuedowireType								Y							Y		Y	Y					
PreferredPathTunnel								Y							Y		Y	Y					
LocalMTU								Y							Y		Y	Y					
RemoteMTU								Y							Y		Y	Y					
PeerStatus								Y							Y		Y	Y					
SignalingProtocol								Y							Y		Y	Y					
VFIName								Y							Y		Y	Y					
psuedowireRole								Y															
PeerRouterIp																							
LocalRouterIp																							
LocalVcLabel																							
PeerVcLabel																							

Security

Table 7-98 *Security Attribute Support on Cisco Switches—Cisco Prime Network 3.9*

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IAccessList																							
Type		Y	Y					Y		Y ¹	Y ²	Y			Y	Y	Y	Y					
Access List Entries		Y	Y					Y		Y ³	Y ⁴	Y			Y	Y	Y	Y					

Table 7-98 Security Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Name or Id		Y	Y					Y		Y ⁵	Y ⁶	Y			Y	Y	Y	Y					
Index		Y	Y					Y		Y ⁷	Y ⁸	Y			Y	Y	Y	Y					
IMO Name—IAccessListEntry																							
Entry Identification		Y	Y					Y		Y ⁹	Y ¹⁰	Y			Y	Y	Y	Y					
Action Logic		Y	Y					Y		Y ¹¹	Y ¹²	Y			Y	Y	Y	Y					
Source and Destination Address		Y	Y					Y		Y ¹³	Y ¹⁴	Y			Y	Y	Y	Y					
Source and Destination Wildcard		Y	Y					Y		Y ¹⁵	Y ¹⁶	Y			Y	Y	Y	Y					
Protocol Type		Y	Y					Y		Y ¹⁷	Y ¹⁸	Y			Y	Y	Y	Y					
Source and Destination Port Ranges		Y	Y					Y		Y ¹⁹	Y ²⁰	Y			Y	Y	Y	Y					
Source and Destination Port Action		Y	Y					Y		Y ²¹	Y ²²	Y			Y	Y	Y	Y					
Protocol Specific Info		Y	Y					Y		Y ²³	Y ²⁴	Y			Y	Y	Y	Y					
Differential Services Code Points		Y	Y					Y		Y ²⁵	Y ²⁶	Y			Y	Y	Y	Y					
Type of Service		Y	Y					Y		Y ²⁷	Y ²⁸	Y			Y	Y	Y	Y					
Precedence		Y	Y					Y		Y ²⁹	Y ³⁰	Y			Y	Y	Y	Y					
Matches		Y	Y					Y		Y ³¹	Y ³²	Y			Y	Y	Y	Y					

^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16}Supported for 4503E, 4507RE, 4507, and 4506E only.

^{17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32}Validated with 12.2(52)SG only.

Hardware

Table 7-99 Hardware Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IChassis																							
Description			Y ¹			Y		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
Equipment Holder Type				Y				Y	Y	Y						Y	Y	Y	Y	Y	Y	Y	Y
Contained Equipment Holders																							
Contained Equipments																							
Serial Number		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
IMO Name—IShelf																							
Description																							
Status																							
Equipment Holder Type																							
Contained Equipment Holders																							
Contained Equipments																							
Serial Number																							
IMO Name—IModule																							
Module Name		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Module Description			Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y ²	Y ³	Y	Y	Y	Y	Y
Software Version		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Operational Status		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Hardware Type + Version		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Managed IP Address																							
Redundant Equipment																							
Configured Redundancy										Y									Y	Y			
Redundancy Status				Y	Y	Y	Y			Y					Y	Y			Y	Y		Y	
Operational Status Last Changed			Y	Y	Y	Y		Y	Y	Y	Y				Y	Y	Y	Y	Y	Y		Y	
Supported Physical Termination Points			Y							Y	Y	Y			Y	Y						Y	
Serial Number (soft property)		Y	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 7-99 Hardware Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Slots Number																							Y
IMO Name—IPowerSupply																							
Same as IModule						Y				Y	Y	Y			Y				Y	Y			
IMO Name—IFanTray																							
Same as IModule						Y				Y	Y	Y			Y				Y	Y			
IMO Name—IPluggableTransceiver																							
ConnectorDescription			Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y			
PID			Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y			
ConnectorSerialNumber			Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y			
ConnectorType			Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y			
PluggablePortState			Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y			
PluggableType			Y			Y		Y		Y	Y	Y			Y	Y	Y	Y	Y	Y			
IMO Name—IManagedElement																							
IP Address		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Communication State		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Investigation State		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Element Category		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Element Type and Key		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Device Name		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	4	5	Y	Y	Y	Y	Y
System Name		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
System Description	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Up Time		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Software Version	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Vendor Identity		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Memory and CPU Usage		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
DRAM Free	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		
DRAM Used	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y		
DRAM Usage	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			
Flash Device Size		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y			
NVRAM Size		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
Processor DRAM		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
Sys Contact	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Sys Location	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 7-99 Hardware Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
Serial Number		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
File Systems																							
IMO Name—IContext																							
Name					Y	Y		Y								Y						Y	
Bounded Connections																							
IP Address Pools																							
Forwarding Components List																							
Traffic Descriptors List																							
Tunnel Containers List																							
Data Link Aggregation Containers List																							
IMO Name—ISystemService																							
Type																							
Status																							
Up Time		Y	Y	Y	Y	Y	Y	Y	Y	Y				Y	Y	Y						Y	
IMO Name—IBridge																							
Bridge Table		Y	Y		Y	Y		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
Type		Y	Y		Y	Y		Y		Y	Y	Y		Y	Y	Y	Y	Y	Y				
MAC Address		Y	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
IP Interface		Y			Y	Y		Y	Y	Y			Y		Y	Y	Y	Y	Y				
Name		Y	Y		Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
Logical Sons		Y	Y		Y	Y			Y	Y	Y	Y		Y	Y	Y	Y	Y					
Vlan Type			Y																				
IMO Name—IBridgeEntry																							
Destination MAC		Y	Y		Y	Y		Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y				
Outgoing Interface			Y					Y			Y	Y		Y	Y	Y	Y	Y	Y				

¹Supported for 12.2(50)SE only.^{2,4}"show interfaces switchport" command will be used to get PortMode^{3,5}Device Name is Mapped to Element Name in GUI

Serial

Table 7-100 Serial Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IPPhysicalLayer																							
Media Type		Y	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
Clocking Source															Y	Y						Y	
Maximum Speed	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
Is Internal Port		Y	Y	Y	Y	Y	Y	Y		Y				Y	Y	Y			Y	Y	Y	Y	
Discarded Bandwidth																							
Dropped Bandwidth																							
Input Bandwidth																							
Output Bandwidth																							
Discarded and Received Input Data Counters		Y		Y	Y	Y	Y	Y	Y	Y				Y	Y	Y						Y	
Dropped and Forward Output Data Counters		Y		Y	Y	Y	Y	Y	Y	Y				Y	Y	Y						Y	
Administrative Status	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
Operational Status	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
Last Changed	Y	Y		Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y						Y	Y
IANA Type		Y		Y	Y	Y	Y	Y		Y				Y	Y	Y						Y	
Containing CTPs																							
Contained CTPs																							
Port Alias	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
Location	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
Sending Alarms	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
Connector Description		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y			Y	Y		Y	
Part ID		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y			Y	Y		Y	
Connector Serial Num		Y	Y	Y		Y	Y	Y	Y	Y	Y	Y		Y	Y	Y			Y	Y		Y	
Product		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y			Y	Y	Y	Y	Y
Status		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y
Managed		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y

Additional Technologies

Table 7-101 Additional Technologies Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—POS																							
POS			Y		Y	Y		Y			Y	Y			Y	Y							

LocalSwitching

Table 7-102 LocalSwitching Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—ILocalSwitchingEntity																							
LocalSwitchingTable								Y							Y								
PWSwitchingTable																	Y	Y					
IMO Name—ILocalSwitchingEntry																							
Local Switching Entry Key								Y							Y		Y	Y					
Local Switching Entry Status								Y							Y		Y	Y					
Segment 1								Y							Y		Y	Y					
Segment 1 Port Name								Y							Y		Y	Y					
Segment 1 Status								Y							Y		Y	Y					
Segment 2								Y							Y		Y	Y					
Segment 2 Port Name								Y							Y		Y	Y					
Segment 2 Status								Y							Y		Y	Y					

BFD

Table 7-103 BFD Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IBfdService																							
Status								Y							Y		Y	Y					
IMO Name—IBfdCommon																							
RegisteredProtocols								Y							Y		Y	Y					
InterfaceName								Y							Y		Y	Y					
IMO Name—IBfdSession																							
SourceIp								Y							Y		Y	Y					
DestinationIp								Y							Y		Y	Y					
Interval								Y							Y		Y	Y					
Multiplier								Y							Y		Y	Y					
Protocol								Y							Y		Y	Y					
State								Y							Y		Y	Y					
Interface								Y							Y		Y	Y					
Process								Y							Y		Y	Y					

Carrier Ethernet

Table 7-104 Carrier Ethernet Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IVsi																							
vsiInstanceName															Y	Y	Y	Y					
vpnId															Y	Y	Y	Y					
discoveryMode															Y	Y	Y	Y					
vsiMode															Y	Y	Y	Y					
Operational state															Y	Y	Y	Y					
Administrative state															Y	Y	Y	Y					
IMO Name—IPseudowireProperties																							
isSplitHorizonEnabled															Y		Y	Y					

Table 7-104 Carrier Ethernet Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
isAutoDiscovered															Y		Y	Y					
IMO Name—IVLANTaggedInterface																							
InterfaceName															Y								
Inner Vlan Id															Y								
Outer Vlan Id															Y								
Encap Type															Y								
Operational state															Y								
Administrative state															Y								
ConfiguredDescription															Y								
IMO Name—IEfp																							
EfpId															Y ₁		Y	Y					
RewriteParams															Y ₂								
EncapsParams															Y ₃		Y	Y					
AdminStatus															Y ₄		Y	Y					
OperStatus															Y ₅		Y	Y					
SplitHorizonGroup															Y ₆								
MatchCriteria															Y ₇		Y	Y					
ConfiguredDescription															Y								
GetServiceInstanceId															Y ₈		Y	Y					
SetServiceInstanceId															Y ₉		Y	Y					

1, 2, 3, 4, 5, 6, 7, 8, 9 For version greater than SRD SNMP is used

LLDP

Table 7-105 LLDP Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—LLDPService																							
status		Y ₁	Y ₂				Y ₃	Y ₃		Y ₄	Y ₅	Y				Y ₆	Y	Y					
lldpAdvertisementsInterval		Y ₇	Y ₈				Y ₉	Y ₉		Y ₁₀	Y ₁₁	Y				Y ₁₂	Y	Y					
lldpHoldTime		Y ₁₃	Y ₁₄				Y ₁₅	Y ₁₅		Y ₁₆	Y ₁₇	Y				Y ₁₈	Y	Y					
lldpReinitialisationDelay		Y ₁₉	Y ₂₀				Y ₂₁	Y ₂₁		Y ₂₂	Y ₂₃	Y				Y ₂₄	Y	Y					
localChassisID		Y ₂₅	Y ₂₆				Y ₂₇	Y ₂₇		Y ₂₈	Y ₂₉	Y				Y ₃₀	Y	Y					
localSystemName		Y ₃₁	Y ₃₂				Y ₃₃	Y ₃₃		Y ₃₄	Y ₃₅	Y				Y ₃₆	Y	Y					
IMO Name—LLDPNeighbor																							
localPortName		Y ₃₇	Y ₃₈				Y ₃₉	Y ₃₉		Y ₄₀	Y ₄₁	Y				Y ₄₂	Y	Y					
remotePortDesc		Y ₄₃	Y ₄₄				Y ₄₅	Y ₄₅		Y ₄₆	Y ₄₇	Y				Y ₄₈	Y	Y					
remoteChassisId		Y ₄₉	Y ₅₀				Y ₅₁	Y ₅₁		Y ₅₂	Y ₅₃	Y				Y ₅₄	Y	Y					
remoteManagementIP		Y ₅₅	Y ₅₆				Y ₅₇	Y ₅₇		Y ₅₈	Y ₅₉	Y				Y ₆₀	Y	Y					
localPortId		Y ₆₁	Y ₆₂				Y ₆₃	Y ₆₃		Y ₆₄	Y ₆₅	Y				Y ₆₆	Y	Y					
remotePortId		Y ₆₇	Y ₆₈				Y ₆₉	Y ₆₉		Y ₇₀	Y ₇₁	Y				Y ₇₂	Y	Y					
remoteDeviceId		Y ₇₃	Y ₇₄				Y ₇₅	Y ₇₅		Y ₇₆	Y ₇₇	Y				Y ₇₈	Y	Y					

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78

LLDP links are not modeled properly on IOS version 12.2(51) and earlier IOS versions that support LLDP. This is because the IOS displays the port description in place of local port ID in LLDP Neighbor Table.

CDP

Table 7-106 CDP Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—ICdpService																							
cdpHoldtime		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
cdpMessageInterval		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
cdpDeviceId		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
cdpState		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
cdpVersion		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
IMO Name—ICdpNeighbor																							
remoteDeviceId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
remotePortId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
remoteIPAddress	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
localPortId	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		

Discovery Protocol

Table 7-107 Discovery Protocol Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—IDiscoveryProtocol																							
DiscoveryProtocolType	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					
Info	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y					

Ethernet OAM

Table 7-108 Ethernet OAM Attribute Support on Cisco Switches—Cisco Prime Network 3.9

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
IMO Name—ICfmService																							
cacheSize			Y					Y							Y	Y	Y	Y					
maximumCacheSize			Y					Y							Y	Y	Y	Y					
holdTime			Y					Y							Y	Y	Y	Y					
version			Y					Y							Y	Y	Y	Y					
maintenanceIntermediatePointsTable			Y					Y							Y	Y	Y	Y					
maintenanceDomain			Y					Y							Y	Y	Y	Y					
IMO Name—IMaintenanceDomain																							
name			Y					Y							Y	Y	Y	Y					
level			Y					Y							Y	Y	Y	Y					
Id			Y					Y							Y	Y	Y	Y					
maintenanceAssociation			Y					Y							Y	Y	Y	Y					
IMO Name—IMaintenanceEndPoint																							
macAddress			Y					Y							Y	Y	Y	Y					
Interface			Y					Y							Y	Y	Y	Y					
continuityCheckStatus			Y					Y							Y	Y	Y	Y					
direction			Y					Y							Y	Y	Y	Y					
IMO Name—IMaintenanceAssociation																							
name			Y					Y							Y	Y	Y	Y					
associationType			Y					Y							Y	Y	Y	Y					
maximalMeps			Y					Y							Y	Y	Y	Y					
continuityCheckInterval			Y					Y							Y	Y	Y	Y					
continuityCheckEnable			Y					Y							Y	Y	Y	Y					
crossCheckEnable			Y					Y							Y	Y	Y	Y					
direction			Y					Y							Y	Y	Y	Y					
bridge			Y					Y							Y	Y	Y	Y					
maintenanceEndPoints			Y					Y							Y		Y	Y					
cfmRemoteMaintenanceEndPoints			Y					Y							Y	Y	Y	Y					
IMO Name—IMaintenanceIntermediatePoint																							
level			Y					Y							Y	Y	Y	Y					

Table 7-108 Ethernet OAM Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
cfmInterface			Y					Y							Y	Y	Y	Y					
isAutocreated			Y					Y							Y	Y	Y	Y					
Vlans			Y					Y							Y	Y	Y	Y					
macAddress			Y					Y							Y	Y	Y	Y					
IMO Name—IRemoteMaintenanceEndPoint																							
mepId			Y					Y							Y	Y	Y	Y					
macAddress			Y					Y							Y	Y	Y	Y					
level			Y					Y							Y	Y	Y	Y					
maintenanceEndPointStatus			Y					Y							Y	Y	Y	Y					
maintenanceEndPointOid			Y					Y							Y	Y	Y	Y					
IMO Name—IOAMData																							
adminState			Y					Y							Y		Y	Y					
pduMaxRate			Y					Y							Y		Y	Y					
pduMinRate			Y					Y							Y		Y	Y					
linkTimeout			Y					Y							Y		Y	Y					
highThresholdAction			Y					Y							Y		Y	Y					
linkFaultAction			Y					Y							Y		Y	Y					
dyingGaspAction			Y					Y							Y		Y	Y					
criticalEventAction			Y					Y							Y		Y	Y					
mode			Y					Y							Y		Y	Y					
unidirectional			Y					Y							Y		Y	Y					
linkMonitor			Y					Y							Y		Y	Y					
remoteLoopback			Y					Y							Y		Y	Y					
portStatus			Y					Y							Y		Y	Y					
loopbackStatus			Y					Y							Y		Y	Y					
remoteData			Y					Y							Y		Y	Y					
name			Y					Y							Y		Y	Y					
ethernetPort			Y					Y							Y		Y	Y					
IMO Name—IOAMRemoteData																							
macAddress			Y					Y							Y		Y	Y					
vendor			Y					Y							Y		Y	Y					
mode			Y					Y							Y		Y	Y					
unidirection			Y					Y							Y		Y	Y					
linkMonitor			Y					Y							Y		Y	Y					

Table 7-108 Ethernet OAM Attribute Support on Cisco Switches—Cisco Prime Network 3.9 (continued)

Attribute	1900	2900	ME3400	3500	3550	3560	3750	3750ME	4000	4500	4900	4924ME	5000	6500 CatOS	6500 IOS	6524ME	ME 3600X	ME 3800X	Nexus 7000	Nexus 5000	Nexus 1000v	ACE 4700	SCE
remoteLoopback			Y					Y							Y		Y	Y					
IMO Name—IUNIProperties																							
UNIId			Y					Y							Y		Y	Y					
isServiceMultiplexing			Y					Y							Y		Y	Y					
isBundlingEnabled			Y					Y							Y		Y	Y					
bundlingType			Y					Y							Y		Y	Y					
IMO Name—IEthernetLMI																							
isGlobalEnabled			Y ₁					Y ₂															
mode			Y ₃					Y ₄															
ELMIInterfaces			Y					Y							Y		Y	Y					
deviceEVCs			Y					Y							Y		Y	Y					
IMO Name—IDeviceEVC																							
EVCName			Y					Y							Y		Y	Y					
EVCStatus			Y					Y							Y		Y	Y					
EVCType			Y					Y							Y		Y	Y					
cfmMaName			Y					Y							Y		Y	Y					
configuredRemoteUNICount			Y					Y							Y		Y	Y					
activeRemoteUNICount			Y					Y							Y		Y	Y					
UNIInterfaces			Y					Y							Y		Y	Y					
IMO Name—IUNIInterfaces																							
UNIStatus			Y					Y							Y		Y	Y					
UNIId			Y					Y							Y		Y	Y					
interfaceName			Y					Y							Y		Y	Y					
vlanList			Y					Y							Y		Y	Y					
lmiLinkStatus			Y					Y							Y		Y	Y					
IMO Name—IELMIInterfaces																							
interfaceName			Y					Y							Y		Y	Y					
T391			Y					Y							Y		Y	Y					
T392			Y					Y							Y		Y	Y					
N391			Y					Y							Y		Y	Y					
N393			Y					Y							Y		Y	Y					

^{1, 2, 3, 4}Supported from IOS version 12.2(35)SE onwards