



## Support Information for Huawei Devices

This chapter contains support information for Virtual Network Elements (VNEs) that manage Huawei devices in Prime Network Version 4.0.



### Note

For more information about the objects and attributes described in this chapter, see *Cisco Prime Network 4.0 Supported Cisco VNEs*, *Cisco Prime Network 4.0 Supported Service Alarms*, *Cisco Prime Network 4.0 Supported System and Security Events*, and *Cisco Prime Network 4.0 Supported Technologies and Topologies* in the [Cisco Prime Network 4.0 Documentation Guide](#).

This chapter contains the following topics:

- [Huawei - Quidway@ S9300 Series Terabit Routing Switch](#), page 7-1
- [Huawei - Quidway@ CX600-CarrierSwitch and ATN-Cellsite-Gateway](#), page 7-3
- [Supported Technologies on Huawei Devices](#), page 7-6

## Huawei - Quidway@ S9300 Series Terabit Routing Switch

This section includes the following information about Quidway@S9300 Series devices (for information on the NE types supported in Prime Network Version 4.0, see the [Huawei - Quidway@ S9300 Series Terabit Routing Switch](#)):

This section contains the following topics:

- [Quidway@S9300 Series—Supported Software Versions](#), page 7-2
- [Quidway@S9300 Series—Supported Topologies](#), page 7-2
- [Quidway@S9300 Series—Supported Modules](#), page 7-2
- [Quidway@S9300 Series—Supported Technologies](#), page 7-2
- [Quidway@S9300 Series—Supported Service Events](#), page 7-3

## Quidway@S9300 Series—Supported Software Versions

**Table 7-1** Supported Software Versions for Quidway@S9300 Series—Prime Network Version 4.0

Software Version	Product Version	DP Version
5.50	3.7.2	3.0

## Quidway@S9300 Series—Supported Topologies

**Table 7-2** Supported Topologies for Quidway@S9300 Series—Prime Network Version 4.0

Topology Type	Link Type	Product Version	DP Version
Ethernet	Ethernet	3.7.2	3.0

## Quidway@S9300 Series—Supported Modules

**Table 7-3** Supported Modules for Quidway@S9300 Series—Prime Network Version 4.0

Module Name	Product Version	Module Description	DP Version
Power Module	3.7.2	Power Module	3.0
CMU	3.7.2	CMU manages the power supplies and fans of the system uniformly.	3.0
LPU	3.7.2	Line Processing Unit	3.0
MPU	3.7.2	Main Processing Unit	3.0
Fan	3.7.2	Fan	3.0

## Quidway@S9300 Series—Supported Technologies

The following technologies are supported by the Quidway S9300 Series in Prime Network Version 4.0:

- [IP](#), page 7-6
- [Ethernet](#), page 7-7
- [Hardware](#), page 7-8
- [Serial](#), page 7-10

## Quidway@S9300 Series—Supported Service Events

**Table 7-4** Supported Service Events for Quidway@S9300 Series—Prime Network Version 4.0

Event Name	Product Version	Expedited	DP Version
Link Down	3.7.2	N	3.0
Link Up	3.7.2	N	3.0

## Huawei - Quidway@ CX600-CarrierSwitch and ATN-Cellsite-Gateway

This section includes the following information about Quidway@CX600-CarrierSwitch and ATN-Cellsite-Gateway devices (for information on the NE types supported in Prime Network Version 4.0, see the [Huawei - Quidway@ CX600-CarrierSwitch and ATN-Cellsite-Gateway](#)):

This section contains the following topics:

- [Quidway@CX600/ATN Series—Supported Software Versions, page 7-3](#)
- [Quidway@CX600/ATN Series—Supported Topologies, page 7-4](#)
- [Quidway@CX600/ATN Series—Supported Modules, page 7-4](#)
- [Quidway@CX600/ATN Series—Supported Technologies, page 7-5](#)
- [Quidway@CX600/ATN Series—Supported Service Events, page 7-6](#)

## Quidway@CX600/ATN Series—Supported Software Versions

**Table 7-5** Supported Software Versions for Quidway@CX600/ATN Series—Prime Network Version 4.0

Software Version	Product Version	DP Version
5.90	3.7.2/3.7.3	5.0

## Quidway@CX600/ATN Series—Supported Topologies

**Table 7-6** Supported Topologies for Quidway@CX600/ATN Series—Prime Network Version 4.0

Topology Type	Link Type	Product Version	DP Version
Ethernet	Ethernet	3.7.2/3.7.3	5.0
MPBGP	MPBGP	3.7.2/3.7.3	5.0
L3 VPN	VPN	3.7.2/3.7.3	5.0

## Quidway@CX600/ATN Series—Supported Modules

**Table 7-7** Supported Modules for Quidway@CX600/ATN Series—Prime Network Version 4.0

Module Name	Product Version	Module Description	DP Version
Power Module	3.7.2/3.7.3	Power Module	5.0
Fan	3.7.2/3.7.3	Fan	5.0
CR53LPUF	3.7.2/3.7.3	CX600,CR53LPUFC0,Flexible Card Line Processing Unit(LPUF-10,four slots)	5.0
CR52LPUN	3.7.2/3.7.3	CX600,CR52LPUF40A,Flexible Card Line Processing Unit(LPUF-40,2 sub-slots) A (L3VPN,MVPN,IPv6 Enhanced)	5.0
CR52EEGFNB	3.7.2/3.7.3	20-Port 100/1000Base-X-SFP Flexible Card A(Supporting 1588v2)	5.0
CR52L2XXNB	3.7.2/3.7.3	2-Port 10GBase LAN/WAN-XFP Flexible Card A(Supporting 1588v2)	5.0
CR52LPUK	3.7.2/3.7.3	CX600,CX61LPUK31,Flexible Card Line Processing Unit(LPUF-21,2 sub-slots) B	5.0
CR56RPUA	3.7.2/3.7.3	CX600,CX61SRU40A4,Switch and Route Processing Unit A4(Including 1*2G Memory and 1*1G CF Card)	5.0
CR57FRA40A	3.7.2/3.7.3	CX600,CX61SRU40A4,Switch and Route Processing Unit A4(Including 1*2G Memory and 1*1G CF Card)	5.0
CR57SFU40B	3.7.2/3.7.3	CX600,CX61SFU40C1,40Gbps Switch Fabric Unit C	5.0
CX67MPUG	3.7.2/3.7.3	CX600,CX67MPUG0,Main Processing Unit G(Including 1*1G CF Card)	5.0
CX67L2XX	3.7.2/3.7.3		5.0

**Table 7-7 Supported Modules for Quidway@CX600/ATN Series—Prime Network Version 4.0**

Module Name	Product Version	Module Description	DP Version
CX67DE1A0	3.7.2/3.7.3	16-Port E1(120ohm) Flexible Interface Card (FIC)	5.0
CX67E8GFA	3.7.2/3.7.3	8-Port 100/1000Base-X-SFP High-speed Interface Card A (HIC, Supporting 1588v2)	5.0
CX67NPUI	3.7.2/3.7.3	CX600,CX67NPUI20,Network Processing Unit Integrated with 2-Port 10GBase LAN/WAN-XFP	5.0
CX67E8FE	3.7.2/3.7.3	8-Port 100Base-RJ45 Flexible Interface Card (FIC, Supporting 1588v2)	5.0
CX67C1CF0	3.7.2/3.7.3	1-Port Channelized OC3c/STM1c POS-SFP Flexible Interface Card (FIC)	5.0
AND1CXP	3.7.2/3.7.3	TND1CXP,System Control,Cross-connect and Multi-protocol Process Unit,1*1	5.0
AND1EG4F	3.7.2/3.7.3		5.0
AND1MD1B	3.7.2/3.7.3	TND1MD1B,32 Channels E1 Interface Board(120ohm) ,1*1	5.0
AND1EF8T	3.7.2/3.7.3	TND1EF8T, 8 Channels Fast Ethernet Electric Interface Board,1*1	5.0
CXP	3.7.2/3.7.3	TND1CXP,System Control,Cross-connect and Multi-protocol Process Unit,1*1	5.0
ANC1CXP	3.7.2/3.7.3	ANC1CXP,System Control,Cross-connect and Multi-protocol Process Unit(120ohm),1*1	5.0
AND1VIRCARD	3.7.2/3.7.3		5.0
AND1EG2	3.7.2/3.7.3	ATN	5.0

## Quidway@CX600/ATN Series—Supported Technologies

The following technologies are supported by the Quidway@CX600/ATN Series in Prime Network Version 4.0:

- [IP, page 7-6](#)
- [Ethernet, page 7-7](#)
- [Hardware, page 7-8](#)
- [Routing Protocols, page 7-9](#)
- [Serial, page 7-10](#)
- [LLDP, page 7-11](#)

- [VPN \(VRF\), page 7-11](#)

## Quidway@CX600/ATN Series—Supported Service Events

**Table 7-8** *Supported Service Events for Quidway@CX600/ATN Series—Prime Network Version 4.0*

Event Name	Product Version	Expedited	DP Version
Link Down	3.7.2/3.7.3	N	5.0
Link Up	3.7.2/3.7.3	N	5.0

## Supported Technologies on Huawei Devices

The following sections list the objects and attributes that are supported on Huawei devices in Prime Network Version 4.0 per technology:

This section contains the following topics:

- [IP, page 7-6](#)
- [Ethernet, page 7-7](#)
- [Hardware, page 7-8](#)
- [Routing Protocols, page 7-9](#)
- [Serial, page 7-10](#)
- [LLDP, page 7-11](#)
- [VPN \(VRF\), page 7-11](#)

### IP

The following table ([Table 7-9](#)) lists the ip attributes that are supported on Huawei devices in Prime Network Version 4.0 per technology:

**Table 7-9** *IP Attribute Support on Huawei Devices—Prime Network Version 4.0*

Attribute	S9300-Series	CX600 and ATN
<b>IMO Name—IPIInterface</b>		
IP Address	Y	Y
Subnetwork Mask	Y	Y
Interface Name	Y	Y
IP Interface State	Y	Y

**Table 7-9 IP Attribute Support on Huawei Devices—Prime Network Version 4.0 (Continued)**

Attribute	S9300-Series	CX600 and ATN
<b>IMO Name—IRoutingEntity</b>		
Routing Table	Y	Y
ARP Entity	Y	Y
Name	Y	Y
Logical Sons	Y	Y
<b>IMO Name—IRoutingEntry</b>		
Destination IP Subnet	Y	Y
Next Hop IP Address	Y	Y
Type	Y	Y
Routing Protocol Type	Y	Y
Outgoing Interface Name	Y	Y
<b>IMO Name—IARPEntity</b>		
ARP Table	Y	Y
<b>IMO Name—IARPEntity</b>		
Name	Y	Y
IP Address	Y	Y
MAC Address	Y	Y
Port		Y
Entity Type	Y	Y

## Ethernet

The following table (Table 7-10) lists the ethernet attributes that are supported on Huawei devices in Prime Network Version 4.0 per technology:

**Table 7-10 Ethernet Attribute Support on Huawei Devices—Prime Network Version 4.0**

Attribute	S9300-Series	CX600 and ATN
<b>IMO Name—IEthernet</b>		
MAC Address	Y	Y

## Hardware

The following table (Table 7-11) lists the hardware attributes that are supported on Huawei devices in Prime Network Version 4.0 per technology:

**Table 7-11 Hardware Attribute Support on Huawei Devices—Prime Network Version 4.0**

Attribute	S9300-Series	CX600 and ATN
IMO Name—IChassis		
Description	Y	Y
Equipment Holder Type	Y	Y
Serial Number	Y	Y
IMO Name—IModule		
Module Name	Y	Y
Module Description	Y	Y
Software Version	Y	Y
Hardware Type & Version	Y	Y
Serial Number (soft property)	Y	Y
Fan Description		Y
Hardware version		Y
Power Supply Description		Y
Hardware version		Y
IMO Name—IManagedElement		
IP Address	Y	Y
Communication State	Y	Y
Investigation State	Y	Y
Element Category	Y	Y
Element Type and Key	Y	Y
Device Name	Y	Y
Device Series	Y	Y
System Name	Y	Y
System Description	Y	Y
Up Time	Y	Y
Software Version	Y	Y
Vendor Identity	Y	Y



## Routing Protocols

The following table (Table 7-12) lists the routing protocols attributes that are supported on Huawei devices in Prime Network Version 4.0 per technology:

**Table 7-12 Routing Protocols Attribute Support on Huawei Devices—Prime Network Version 4.0**

Attribute	S9300-Series	CX600 and ATN
<b>IMO Name—IIBgpNeighborEntry</b>		
Remote Identifier		Y
Remote Address		Y
Remote Autonomous System		Y
Peer State		Y
Hold Time		Y
Keep Alive Time		Y
VrfName		Y
Address family		Y
<b>IMO Name—IIOspfProcess</b>		
Process Id		Y
OSPF Version		Y
Router Id		Y
<b>IMO Name—IIOspfNeighbor</b>		
Neighbor Id		Y
Outgoing Interface		Y
State		Y
Neighbor Interface Address		Y
Area Id		Y
<b>IMO Name—IIOspfInterface</b>		
Area Id		Y
Network Type		Y
Cost		Y
State		Y
Interface Address		Y
Interface name		Y
IF Proirity		Y
DR Id		Y

**Table 7-12 Routing Protocols Attribute Support on Huawei Devices—Prime Network Version 4.0 (Continued)**

Attribute	S9300-Series	CX600 and ATN
BDR Id		Y
<b>IMO Name—ISpfTimers</b>		
Schedule Delay		Y
Min Hold Time		Y
Max Wait Time		Y

## Serial

The following table (Table 7-13) lists the serial attributes that are supported on Huawei devices in Prime Network Version 4.0 per technology:

**Table 7-13 Serial Attribute Support on Huawei Devices—Prime Network Version 4.0**

Attribute	S9300-Series	CX600 and ATN
<b>IMO Name—IPhysicalLayer</b>		
Media Type	Y	Y
Maximum Speed	Y	Y
Is Internal Port	Y	Y
Discarded and Received Input Data Counters	Y	Y
Dropped and Forward Output Data Counters	Y	Y
Administrative Status	Y	Y
Operational Status	Y	Y
Last Changed	Y	Y
IANA Type	Y	Y

## LLDP

The following table (Table 7-14) lists the lldp attributes that are supported on Huawei devices in Prime Network Version 4.0 per technology:

**Table 7-14 LLDP Attribute Support on Huawei Devices—Prime Network Version 4.0**

Attribute	S9300-Series	CX600 and ATN
IMO Name—ILLDPService		
status		Y
lldpAdvertisementsInterval		Y
lldpHoldTime		Y
lldpReinitialisationDelay		Y
localChassisID		Y
localSystemName		Y
IMO Name—ILLDPNeighbor		
localPortName		Y
remotePortDesc		Y
remoteChassisId		Y
remoteManagementIP		Y
localPortId		Y
remotePortId		Y
remoteSystemName		Y

## VPN (VRF)

The following table (Table 7-15) lists the vpn (vrf) attributes that are supported on Huawei devices in Prime Network Version 4.0 per technology:

**Table 7-15 VPN (VRF) Attribute Support on Huawei Devices—Prime Network Version 4.0**

Attribute	S9300-Series	CX600 and ATN
IMO Name—IVrf		
Virtual Routing Table		Y

**Table 7-15 VPN (VRF) Attribute Support on Huawei Devices—Prime Network Version 4.0**

Attribute	S9300-Series	CX600 and ATN
Exported Route Targets		Y
Imported Route Targets		Y
Route Distinguisher		Y
Name		Y
<b>IMO Name—IVrfEntry</b>		
Destination IP Subnet		Y
Next Hop IP Address		Y
Type		Y
Routing Protocol Type		Y
Outgoing Interface Name		Y
<b>IMO Name—IMpBgp</b>		
BGP Identifier		Y
Local Autonomous System		Y
BGP Neighbors		Y