



CHAPTER 7

Support Information for Cisco Optical Transport

This chapter contains support information for Virtual Network Elements (VNEs) that manage Cisco in Cisco Prime Network 3.8.

This chapter contains the following topics:

- [Cisco Carrier Packet Transport Series Devices, page 7-1](#)
- [Supported Technologies on Cisco Optical Transport, page 7-5](#)



Note

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

Cisco Carrier Packet Transport Series Devices

This section includes the following information about Cisco CPT Devices optical transport.

This section contains the following topics:

- [Cisco CPT Devices—Supported Software Versions, page 7-1](#)
- [Cisco CPT Devices—Supported Topologies, page 7-2](#)
- [Cisco CPT Devices—Supported Modules, page 7-2](#)
- [Cisco CPT Devices—Supported Technologies, page 7-4](#)
- [Cisco CPT Devices—Supported Service Events, page 7-4](#)



Note

For information on the NE types supported in Cisco Prime Network 3.8, see [Cisco Carrier Packet Transport Series Devices](#).

Cisco CPT Devices—Supported Software Versions

Table 7-1 *Supported Software Versions for Cisco CPT Devices—Cisco Prime Network 3.8*

Software Version	Product_Version
Image 09.30	Prime Network 3.8

Cisco CPT Devices—Supported Topologies

Table 7-2 Supported Topologies for Cisco CPT Devices—Cisco Prime Network 3.8

Topology Type	Link Type	Product_V ersion
Ethernet	Ethernet	3.8
MPLS	MPLS	3.8
Physical Layer	Physical Layer	3.8
LAG	LAG	3.8
BFD	BFD	3.8

Cisco CPT Devices—Supported Modules

Table 7-3 Supported Modules for Cisco CPT Devices—Cisco Prime Network 3.8

Module Name	Product_V ersion	Module Description
POWER-SUPPLY	Prime Network 3.8	4000W DC PS for 7609/7613Chassis
FAN-TRAY		
TNC	Prime Network 3.8	
TSC	Prime Network 3.8	
IO-SLOT	Prime Network 3.8	
PTF_10GE_LINE_CARD	Prime Network 3.8	
NGXP	Prime Network 3.8	
PTSA_GE_LINE_CARD	Prime Network 3.8	
BITS_UTS	Prime Network 3.8	

Table 7-3 **Supported Modules for Cisco CPT Devices—Cisco Prime Network 3.8 (Continued)**

Module Name	Product_V ersion	Module Description
UDCVOIP_UTS	Prime Network 3.8	
USP_UTS	Prime Network 3.8	
IO_UTS	Prime Network 3.8	
M6_LCD	Prime Network 3.8	
DS1-14	Prime Network 3.8	
DS3-12	Prime Network 3.8	
OC12-IR-1310-1	Prime Network 3.8	
OC12IR-STM4-1310-4	Prime Network 3.8	
OC3-IR-4	Prime Network 3.8	
OC48AS-IR-1310	Prime Network 3.8	
OC192LR	Prime Network 3.8	
XC10G	Prime Network 3.8	
XFP-10G-MM-SR	Prime Network 3.8	
ONS-XC-10G-S1	Prime Network 3.8	

Cisco CPT Devices—Supported Technologies

The following technologies are supported by the Cisco CPT Devices in Cisco Prime Network 3.8:

- [IP, page 7-6](#)
- [Routing Protocols, page 7-9](#)
- [Ethernet, page 7-11](#)
- [MPLS, page 7-16](#)
- [MPLS-TE, page 7-18](#)
- [MPLS-TP, page 7-20](#)
- [PWE3, page 7-22](#)
- [Security, page 7-22](#)
- [Hardware, page 7-23](#)
- [Serial, page 7-26](#)
- [BFD, page 7-27](#)
- [Carrier Ethernet, page 7-27](#)
- [CDP, page 7-28](#)
- [Discovery Protocol, page 7-29](#)

Cisco CPT Devices—Supported Service Events

Table 7-4 Supported Service Events for Cisco CPT Devices—Cisco Prime Network 3.8

Event Name	Product_V ersion	Expedited
Active IP Interfaces Found	Prime Network 3.8	N
All IP Interfaces Down	Prime Network 3.8	N
Card Down	Prime Network 3.8	Y
Card In	Prime Network 3.8	Y
Card Out	Prime Network 3.8	Y

Table 7-4 **Supported Service Events for Cisco CPT Devices—Cisco Prime Network 3.8**
(Continued)

Event Name	Product_V ersion	Expedited
Card Up	Prime Network 3.8	Y
CPU utilization exceeded upper threshold	Prime Network 3.8	N
CPU utilization less than lower threshold	Prime Network 3.8	N
Device Unsupported	Prime Network 3.8	N
Link up	Prime Network 3.8	N

Supported Technologies on Cisco Optical Transport

The following sections list the objects and attributes that are supported on Cisco optical transport in Cisco Prime Network 3.8 per technology:

This section contains the following topics:

- [IP, page 7-6](#)
- [Routing Protocols, page 7-9](#)
- [Ethernet, page 7-11](#)
- [MPLS, page 7-16](#)
- [MPLS-TE, page 7-18](#)
- [MPLS-TP, page 7-20](#)
- [PWE3, page 7-22](#)
- [Security, page 7-22](#)
- [Hardware, page 7-23](#)
- [Serial, page 7-26](#)
- [BFD, page 7-27](#)
- [Carrier Ethernet, page 7-27](#)
- [CDP, page 7-28](#)
- [Discovery Protocol, page 7-29](#)

IP

Table 7-5 *IP Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8*

Attribute	CPT
IMO Name—IIPInterface	
IP Address	Y
Subnetwork Mask	Y
IP Interface Addresses Array	Y
Interface Name	Y
Interface Description	Y
IP Interface State	Y
OSPF Interface Cost	
Broadcast Address	
MTU	
Lookup Method	
Address Resolution Type	
ARP Timeout	
Secured ARP	
ICMP Mask Reply	
IGMP Proxy	
HSRP Groups	
IP Multiplexing Table	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—IIPMuxEntry	
Termination Point	
Destination IP Subnet	
IMO Name—IRoutingEntity	
Routing Table	Y
ARP Entity	Y
Routing Table Changes	
Name	Y
Logical Sons	Y
IMO Name—IRoutingEntry	
Destination IP Subnet	Y
Next Hop IP Address	Y

Table 7-5 *IP Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)*

Attribute	cpt
Type	Y
Routing Protocol Type	Y
Outgoing Interface Name	Y
IMO Name—IARPEntity	
ARP Table	Y
IMO Name—IARPEntity	
IP Address	Y
MAC Address	Y
Port	Y
Entry Type	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	
Port Description	
Priority	
Coupled Router	
State	
Tracking Interfaces	
Virtual IP Address	
Virtual MAC Address	

Table 7-5 *IP Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)*

Attribute	CPT
IMO Name—I TunnelGRE	
Name	
Tunnel Destination and Source	
IP Address	
IP Interface State	
IANA Type	
Containing CTPs	
Contained CTPs	
Keep Alive Time	
Keep Alive Retry	
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	
TWAMPResponderStatus	
tcpConnect	
udpEcho	
IMO Name—IIPAddressPortPair	
type	
ipAddress	
port	

Routing Protocols

Table 7-6 *Routing Protocols Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8*

Attribute	CPT
IMO Name—IBgpNeighborEntry	
Remote Identifier	
Neighbor Type	
Distributing Interfaces	
Remote Address	
Remote Autonomous System	
Peer State	
Peer AdminState	
Hold Time	
Keep Alive Time	
VrfName	
Address family	
IMO Name—IospfEntry	
Area Identifier	
IP Address	
Type	
Administrative Status	
Ospf Entry State	
IMO Name—IospfProcess	
Process Id	Y
OSPF Version	Y
Router Id	Y
IMO Name—IospfNeighbor	
Neighbor Id	Y
Outgoing Interface	Y
State	Y
Neighbor Interface Address	Y
Area Id	Y
IMO Name—IospfInterface	
Area Id	Y
Network Type	Y
Cost	Y
State	Y

Table 7-6 Routing Protocols Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	CPT
Interface Address	Y
Type	Y
IF Priority	Y
DR Id	Y
BDR Id	Y
IMO Name—ISpfTimers	
Schedule Delay	Y
Min Hold Time	Y
Max Wait Time	Y
IMO Name—IISISProcess	
ISIS Version	
Manual Area Address	
IS Type	
System Id	
Process Id	
IMO Name—IISISMetric	
IS Type	
Metric Style	
Metric Value	
Address Family	
IMO Name—IISISInterface	
Interface Name	
IMO Name—IISISNeighbor	
IS Type	
System Id	
Admin State	
Hold Time	
SNPA	
Interface Name	
IP Address	
Address Family	

Ethernet

Table 7-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8

Attribute	CPT
IMO	
Name—ILinkAggregationGroup802dot3ad	
dot3adAggMACAddress	Y
dot3adAggActorSystemPriority	Y
dot3adAggActorSystemID	Y
dot3adAggActorAdminKey	Y
dot3adAggActorOperKey	Y
dot3adAggPartnerSystemID	Y
dot3adAggPartnerSystemPriority	Y
dot3adAggPartnerOperKey	Y
dot3adAggCollectorMaxDelay	Y
GroupNumber	Y
AggregationProtocolType	Y
MacAddress	Y
ChannelAdminStatus	Y
ChannelOperStatus	Y
IMO Name—IEthernet	
MAC Address	Y
Duplex Mode	
Output Flow Control	
Input Flow Control	
IANA Type	
Containing CTPs	
Contained CTPs	
Port Type	Y
isElmiEnabled	Y
isLOAMEnabled	
IMO Name—IVlanInterface	
Mode	
Native VLAN Identification	
Virtual LAN Table	
IANA Type	
Containing CTPs	

Table 7-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	CPT
Contained CTPs	
vlanAdminType	
vlanencapType	
getAccess	
Allowed Vlans	
IMO Name—IVlanEncapMux	
IANA Type	Y
Containing CTPs	
Contained CTPs	
IMO Name—IVlanMapping	
direction	
vlanMatchCriteria	
vlanRewriteDefinition	
Drop	
Vlan	
innerVlan	
translatedVlan	
translatedInnerVlan	
IMO Name—IIEEE802	
VLAN Identification	
Binding Information	
Binding Status	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—IStpService	
StpProtocol	
StpMaxAge	
StpHelloTime	
StpBridgeForwardDelay	
StpInstanceInfoTable	
Same as ISystemService	
StpUplinkFastState	
StpBackboneFastState	
StpForwardDelay	

Table 7-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	CPT
StpBridgeMaxAge	
StpBridgeHelloTime	
IMO Name—IMstService	
MstProperties	
Same as IStpService	
IMO Name—IPvstpService	
UpLinkFast	
BackboneFast	
IMO Name—IMstProperties	
MstForceVersion	
MstCfgIdFmtSel	
MstExternalRootCost	
MstMaxInstances	
MstCfgIdName	
MstCfgIdRevLevel	
IMO Name—IStpInstanceInfo	
Object Identification	
StpBridgeId	
BridgePriority	
Designated Parent and Root Bridges	
StpRootCost	
IsRoot	
StpRootPort	
StpPortInfoTable	
STP Instance Id	
Vlan Id	
StpDesignatedBridge	
StpDesignatedRoot	
IMO Name—IMstInstanceInfo	
MstVlanIds	
Same as IStpInstanceInfo	
IMO Name—IPvstpInstanceInfo	
Protocol Type	
StpBridgeMaxAge	
StpBridgeHelloTime	

Table 7-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	CPT
StpBridgeForwardDelay	
StpProtocolSpecification	
StpVlanId	
StpForwardDelay	
StpMaxAge	
IMO Name—IRstpInstanceInfo	
StpForceVersion	
Same as IStpInstanceInfo	
IMO Name—IStpPortInfo	
StpPort	
StpPortPriority	
StpPortState	
StpPortPathCost	
StpPortEdgePort	
StpPortPointToPoint	
StpPortRole	
StpDesignatedPortIdentifier	
StpDesignatedBridge	
StpPortIdentifier	
StpPortBpduGuardState	
StpPortBpduFilterState	
IMO Name—IMstPortInfo	
MstPortHelloTime	
Same as IStpPortInfo	
IMO Name—IPvstpPortInfo	
PvstpPortFastState	
IMO Name—IEthernetChannel	
Group Number	
Bandwidth	
Aggregation Protocol	
IANA Type	
Containing CTPs	
Contained CTPs	
Mac Address	
Admin Status	

Table 7-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	cpt
Oper Status	
IMO Name—ITokenRingLayer2	
MAC Address	
IANA Type	
Containing CTPs	
Contained CTPs	
IMO Name—ITokenRingLayer1	
Same as IPhysicalLayer	
IMO Name—IVtpService	
Version	
OperatingMode	
DomainName	
ConfigurationRevision	
isPruningEnabled	
isAuthenticationEnabled	
IMO Name—IREPService	
version	Y
administrativeVlan	Y
notificationEnabled	Y
IMO Name—IREPSegmentInfo	
segmentId	Y
segmentComplete	Y
IMO Name—IREPPortInfo	
portName	Y
portKey	Y
segmentId	Y
portType	Y
portRole	Y
operStatus	Y
blockedVlans	Y
preemptTimer	Y
lslAgeoutTimer	Y
remoteDeviceName	Y
remoteDeviceMac	Y
remotePortName	Y

Table 7-7 Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	CPT
configuredLoadBalancingBlockedVlans	Y
IMO Name—IBridgeLan	
Id	
IMO Name—IIBridgeEntry	
IS Id	
IBridge	
BBridge	

MPLS

Table 7-8 MPLS Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8

Attribute	CPT
IMO Name—IMpls	
Distribution Protocol	Y
LabelStack	
TopLabel	
Outer and Inner Labels	
Traffic Engineering Properties	Y
Resource reservation Properties	
IANA Type	Y
Containing CTPs	
Contained CTPs	
IMO Name—ILse	
MPLS Table	Y
MPLS Aggregate Table	Y
MPLS Tunnel Segments	Y
LDP Service	Y
Logical Sons	Y
IMO Name—ILdpService	
Local Identification Status	Y
LDP Peers	Y
IMO Name—ILdpPeer	
Peer Identification	Y

Table 7-8 MPLS Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	CPT
Transport Address	Y
Distribution Method	Y
Protocol Type	Y
Path Vector Limit	Y
Session Status	Y
Protocol Version Hold Time	
Hold Time	Y
Keep Alive Time	
Peer Discovery Sources	Y
IMO Name—ILdpDiscoverySource	
Interface Name	Y
Source Address	Y
Type	Y
IMO Name—IMplsEntry	
Incoming Label	Y
Outgoing Interface and Label	Y
Switching Action	Y
Next Hop IP Address	Y
Destination Mask	Y
Destination address	Y
IMO Name—IMplsAggregateEntry	
Virtual Routing Entity	Y
Incoming Label	Y
Outgoing Interface and Label	Y
Switching Action	Y
Next Hop IP Address	Y
IMO Name—IMplsLabelRange	
Type	Y
minValue	Y
Max Value	Y

MPLS-TE

Table 7-9 *MPLS-TE Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8*

Attribute	CPT
IMO Name—IMplsTETunnel	
Destination Address	Y
Outgoing Interface and Label	Y
LSP Identification	Y
Requested Bandwidth	Y
Measured Average Burst and Peak Bandwidth	Y
Setup and Hold Priority	Y
Affinity Bits and Mask	Y
Automatic Route Announcement Status	Y
Optimization Lock Down Status	Y
Path Option	Y
Name	Y
Description	Y
Administrative Status	Y
Operational Status	Y
IANA Type	Y
is FRR Enabled	Y
TunnelType	Y
DestinationAddress	Y
Sub Lsp Status	Y
OutInterface	Y
OutLabel	Y
TunnelAffinity	Y
TunnelAffinityMask	Y
TunnelAutoRoute	Y
TunnelBandwidthKbps	Y
TunnelAverageRateKbps	Y
TunnelBurstKbps	Y
TunnelPeakRateKbps	Y
TunnelSetupPriority	Y
TunnelHoldPriority	Y

Table 7-9 MPLS-TE Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	CPT
TunnelLockdown	Y
TunnelPolicyClass	
P2MPDestinations	Y
IMO Name—IMplsTEProperties	
Administrative Weight	Y
Attributes Identifier	
Signaling Protocol	Y
Available Physical and Reservable Bandwidth	Y
Reserved Bandwidth	Y
IMO Name—IMplsTEPropertiesAllocationEntry	
Priority Level	
Allocated and Cumulative Bandwidth	
IMO Name—IMplsTESegment	
Segment Type	Y
Measured Average Burst and Peak Bandwidth	Y
LSP Identification	Y
Name	Y
FRRTunnelName	
FRRTunnelState	
AverageBandwidth	Y
In Interface	Y
Out interface	Y
In Label	Y
Out Label	Y
Source address	Y
Destination address	Y
TunnelType	Y

MPLS-TP

Table 7-10 *MPLS-TP Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8*

Attribute	CPT
IMO Name—IMPLSTPGlobal	
icc	Y
globalId	Y
protectionMode	Y
redundancyMode	Y
routerId	Y
tpEnabledLinks	Y
lspEndpoints	Y
lspMidpoints	Y
mplsTpTunnelEps	Y
IMO Name—IMPLSTPTunnelEP	
tunnelId	Y
remoteTunnelId	Y
globalId	Y
destGlobalId	Y
localInfo	Y
peerInfo	Y
adminStatus	Y
operStatus	Y
bandwidthTransmit	Y
bfdTemplate	Y
workingLspNum	Y
protectLspNum	Y
wlBfdState	Y
plBfdState	Y
wlFaultOAM	Y
plFaultOAM	Y
pseudowireList	Y
direction	Y
lspEndPoints	Y
lspMidPoints	Y
internalId	Y
tpDescription	Y

Table 7-10 MPLS-TP Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	opt
PeerTunnelId	Y
PeerGlobalId	Y
MPLSTPDirection	Y
IMO Name—ILSPEntry	
lspId	Y
internalId	Y
umc	Y
lspType	Y
IMO Name—ILSPMPEntry	
fwdInLabel	Y
fwdOutLabel	Y
fwdBandwidth	Y
fwdOutInterface	Y
revInLabel	Y
revOutLabel	Y
revOutLinkId	Y
revBandwidth	Y
revOutInterface	Y
bandwidthDiff	Y
IMO Name—ILSPEPEntry	
inLabel	Y
outLabel	Y
outLinkId	Y
bandwidth	Y
outInterface	Y
state	Y
IMO Name—IPTEnabledLink	
linkId	Y
interfaceAddress	Y
nextHop	Y
IMO Name—IMPLSTPBfdSession	
lspType	Y

PWE3

Table 7-11 PWE3 Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8

Attribute	CPT
IMO Name—IPTPLayer2MplsTunnel	
Local and Remote Router Addresses	Y
Local and Remote Virtual Connection Labels	Y
Tunnel Identification	Y
Tunnel Status	Y
Local and Remote Tunnel Interface	
IANA Type	Y
Containing CTPs	
Contained CTPs	
PsuedowireType	Y
PreferredPathTunnel	Y
LocalMTU	Y
RemoteMTU	Y
PeerStatus	Y
SignalingProtocol	Y
VFIName	Y
psuedowireRole	Y
PeerRouterIp	Y
LocalRouterIp	Y
LocalVcLabel	Y
PeerVcLabel	Y

Security

Table 7-12 Security Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8

Attribute	CPT
IMO Name—IAccessList	
Type	Y
Access List Entries	Y
Name or Id	Y

Table 7-12 **Security Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8**
(Continued)

Attribute	CPT
Index	Y
IMO Name—IAccessListEntry	
Entry Identification	Y
Action Logic	Y
Source and Destination Address	Y
Source and Destination Wildcard	Y
Protocol Type	Y
Source and Destination Port Ranges	Y
Source and Destination Port Action	Y
Protocol Specific Info	Y
Differential Services Code Points	Y
Type of Service	Y
Precedence	Y
Matches	Y

Hardware

Table 7-13 **Hardware Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8**

Attribute	CPT
IMO Name—IChassis	
Description	Y
Equipment Holder Type	Y
Contained Equipment Holders	
Contained Equipments	
Serial Number	Y
IMO Name—IShelf	
Description	
Status	
Equipment Holder Type	
Contained Equipment Holders	
Contained Equipments	

Table 7-13 **Hardware Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8**
(Continued)

Attribute	CPT
Serial Number	
IMO Name—IModule	
Module Name	Y
Module Description	Y
Software Version	Y
Operational Status	Y
Hardware Type + Version	Y
Managed IP Address	
Redundant Equipment	
Configured Redundancy	
Redundancy Status	
Operational Status Last Changed	Y
Supported Physical Termination Points	Y
Serial Number (soft property)	Y
Slots Number	
IMO Name—IPowerSupply	
Same as IModule	Y
IMO Name—IFanTray	
Same as IModule	Y
IMO Name—IPluggableTransceiver	
ConnectorDescription	Y
PID	Y
ConnectorSerialNumber	Y
ConnectorType	Y
PluggablePortState	Y
PluggableType	Y
IMO Name—IManagedElement	
IP Address	Y
Communication State	Y
Investigation State	Y
Element Category	Y
Element Type and Key	Y
Device Name	Y
System Name	Y

Table 7-13 Hardware Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	cpt
System Description	Y
Up Time	Y
Software Version	Y
Vendor Identity	Y
Memory and CPU Usage	
DRAM Free	
DRAM Used	
DRAM Usage	
Flash Device Size	
NVRAM Size	
Processor DRAM	Y
Sys Contact	Y
Sys Location	Y
Serial Number	Y
File Systems	
IMO Name—IContext	
Name	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
IMO Name—IBridge	
Bridge Table	
Type	Y
MAC Address	
IP Interface	
Name	Y
Logical Sons	Y

Table 7-13 Hardware Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	CPT
Vlan Type	Y
IMO Name—IBridgeEntry	
Destination MAC	
Outgoing Interface	

Serial

Table 7-14 Serial Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8

Attribute	CPT
IMO Name—IPhysicalLayer	
Media Type	Y
Clocking Source	
Maximum Speed	Y
Is Internal Port	Y
Discarded Bandwidth	
Dropped Bandwidth	
Input Bandwidth	
Output Bandwidth	
Discarded and Received Input Data Counters	Y
Dropped and Forward Output Data Counters	Y
Administrative Status	Y
Operational Status	Y
Last Changed	Y
IANA Type	Y
Containing CTPs	
Contained CTPs	
Port Alias	Y
Location	Y
Sending Alarms	Y
Connector Description	Y
Part ID	Y
Connector Serial Num	Y

Table 7-14 Serial Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)

Attribute	CPT
Product	Y
Status	Y
Managed	Y

BFD

Table 7-15 BFD Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8

Attribute	CPT
IMO Name—IBfdService	
Status	
IMO Name—IBfdCommon	
RegisteredProtocols	Y
InterfaceName	Y
IMO Name—IBfdSession	
SourceIp	Y
DestinationIp	Y
Interval	Y
Multiplier	Y
Protocol	Y
State	Y
Interface	Y
Process	Y

Carrier Ethernet

Table 7-16 Carrier Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8

Attribute	CPT
IMO Name—IVsi	
vsiInstanceName	
vpnId	
discoveryMode	
vsiMode	

Table 7-16 *Carrier Ethernet Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)*

Attribute	CPT
Operational state	
Administrative state	
IMO Name—IPseudowireProperties	
isSplitHorizonEnabled	
isAutoDiscovered	
IMO Name—IVLANTaggedInterface	
InterfaceName	
Inner Vlan Id	
Outer Vlan Id	
Encap Type	
Operational state	
Administrative state	
ConfiguredDescription	
IMO Name—IEfp	
EfpId	Y
RewriteParams	Y
EncapsParams	Y
AdminStatus	Y
OperStatus	Y
SplitHorizonGroup	Y
MatchCriteria	Y
ConfiguredDescription	Y
GetServiceInstanceId	Y
SetServiceInstanceId	Y

CDP

Table 7-17 *CDP Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8*

Attribute	CPT
IMO Name—ICdpService	
cdpHoldtime	Y
cdpMessageInterval	Y
cdpDeviceId	Y

Table 7-17 *CDP Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8 (Continued)*

Attribute	CPT
cdpState	Y
cdpVersion	Y
IMO Name—ICdpNeighbor	
remoteDeviceId	Y
remotePortId	Y
remoteIPAddress	Y
localPortId	Y

Discovery Protocol

Table 7-18 *Discovery Protocol Attribute Support on Cisco Optical Transport—Cisco Prime Network 3.8*

Attribute	CPT
IMO Name—IDiscoveryProtocol	
DiscoveryProtocolType	Y
Info	Y

