



CHAPTER 4

Support Information for DragonWave Devices

This chapter contains support information for Virtual Network Elements (VNEs) that manage DragonWave devices in Prime Network Version 3.8.x and 3.9.x. For more information about the objects and attributes described in this chapter, see the [Cisco Prime Network 3.9 Reference Guide](#).

This chapter contains the following topics:

- [DragonWave Horizon Compact Device \(Packet Microwave System\)](#), page 4-1
- [DragonWave Horizon Compact Plus Device \(Packet Microwave System\)](#), page 4-3
- [DragonWave Horizon Quantum Device \(Packet Microwave System\)](#), page 4-5
- [Supported Technologies on DragonWave Devices](#), page 4-7

DragonWave Horizon Compact Device (Packet Microwave System)

This section includes the following information about DragonWave Horizon Compact (Packet Microwave System) devices (for information on the NE types supported in Prime Network Version 3.8.x and 3.9.x, see the [DragonWave Horizon Compact Device \(Packet Microwave System\)](#)):

This section contains the following topics:

- [Horizon Compact—Supported Software Versions](#), page 4-2
- [Horizon Compact—Supported Topologies](#), page 4-2
- [Horizon Compact—Supported Modules](#), page 4-2
- [Horizon Compact—Supported Technologies](#), page 4-2
- [Horizon Compact—Supported Service Events](#), page 4-3

Horizon Compact—Supported Software Versions

Table 4-1 *Supported Software Versions for Horizon Compact—Prime Network Version 3.8.x and 3.9.x*

Software Version	Product Version	DP Version
1.03.02	3.7.2/3.7.3	5.0
1.04.05	3.7.2/3.7.3	5.0

Horizon Compact—Supported Topologies

Table 4-2 *Supported Topologies for Horizon Compact—Prime Network Version 3.8.x and 3.9.x*

Topology Type	Link Type	Product Version	DP Version
Physical Layer	Physical Layer	3.7.2/3.7.3	5.0
Generic Port	Generic Port ¹	3.7.2/3.7.3	7.0

1. Currently it is supported by using generic methodology.

Horizon Compact—Supported Modules

Table 4-3 *Supported Modules for Horizon Compact—Prime Network Version 3.8.x and 3.9.x*

Module Name	Product Version	Module Description	DP Version
Horizon Compact	3.7.2/3.7.3	Horizon Compact is not a modular device. It contains 2 Ethernet ports and 1 Wireless port.	5.0

Horizon Compact—Supported Technologies

The following technologies are supported by the Horizon Compact devices in Prime Network Version 3.8.x and 3.9.x:

- [Ethernet, page 4-8](#)
- [Hardware, page 4-8](#)
- [Serial, page 4-9](#)
- [Local Switching, page 4-11](#)

Horizon Compact—Supported Service Events

Table 4-4 *Supported Service Events for Horizon Compact—Prime Network Version 3.8.x and 3.9.x*

Event Name	Product Version	Expedited	DP Version
Link up	3.7.2/3.7.3	N	5.0
Device Unsupported	3.7.2/3.7.3	N	5.0
Port down due to admin	3.7.2/3.7.3	N	5.0
Port down due to oper	3.7.2/3.7.3	N	5.0
Device Managed	3.7.2/3.7.3	N	5.0
Management Unreachable	3.7.2/3.7.3	N	5.0
Device Partially Managed	3.7.2/3.7.3	N	5.0
Port up	3.7.2/3.7.3	N	5.0

DragonWave Horizon Compact Plus Device (Packet Microwave System)

This section includes the following information about DragonWave Horizon Compact Plus (Packet Microwave System) devices (for information on the NE types supported in Prime Network Version 3.8.x and 3.9.x, see the [DragonWave Horizon Compact Plus Device \(Packet Microwave System\)](#)):

This section contains the following topics:

- [Horizon Compact Plus—Supported Software Versions, page 4-3](#)
- [Horizon Compact Plus—Supported Topologies, page 4-4](#)
- [Horizon Compact Plus—Supported Modules, page 4-4](#)
- [Horizon Compact Plus—Supported Technologies, page 4-4](#)
- [Horizon Compact Plus—Supported Service Events, page 4-4](#)

Horizon Compact Plus—Supported Software Versions

Table 4-5 *Supported Software Versions for Horizon Compact Plus—Prime Network Version 3.8.x and 3.9.x*

Software Version	Product Version	DP Version
1.0.0	3.7.2/3.7.3	8.0

Horizon Compact Plus—Supported Topologies

Table 4-6 *Supported Topologies for Horizon Compact Plus—Prime Network Version 3.8.x and 3.9.x*

Topology Type	Link Type	Product Version	DP Version
Physical Layer	Physical Layer	3.7.2/3.7.3	8.0
Generic Port	Generic Port ¹	3.7.2/3.7.3	8.0

1. Currently it is supported by using LLDP technology.

Horizon Compact Plus—Supported Modules

Table 4-7 *Supported Modules for Horizon Compact Plus—Prime Network Version 3.8.x and 3.9.x*

Module Name	Product Version	Module Description	DP Version
Horizon Compact Plus	3.7.2/3.7.3	Horizon Compact Plus is not a modular device. It contains Ethernet ports and Wireless ports.	8.0

Horizon Compact Plus—Supported Technologies

The following technologies are supported by the Horizon Compact devices in Prime Network Version 3.8.x and 3.9.x:

- [Ethernet, page 4-8](#)
- [Hardware, page 4-8](#)
- [Serial, page 4-9](#)
- [Generic Port, page 4-10](#)
- [Local Switching, page 4-11](#)
- [LLDP, page 4-12](#)

Horizon Compact Plus—Supported Service Events

Table 4-8 *Supported Service Events for Horizon Compact Plus—Prime Network Version 3.8.x and 3.9.x*

Event Name	Product Version	Expedited	DP Version
Link up	3.7.2/3.7.3	N	8.0
Device Unsupported	3.7.2/3.7.3	N	8.0

Table 4-8 *Supported Service Events for Horizon Compact Plus—Prime Network Version 3.8.x and 3.9.x (Continued)*

Event Name	Product Version	Expedited	DP Version
Port down due to admin	3.7.2/3.7.3	N	8.0
Port down due to oper	3.7.2/3.7.3	N	8.0
Device Managed	3.7.2/3.7.3	N	8.0
Management Unreachable	3.7.2/3.7.3	N	8.0
Device Partially Managed	3.7.2/3.7.3	N	8.0
Port up	3.7.2/3.7.3	N	8.0

DragonWave Horizon Quantum Device (Packet Microwave System)

This section includes the following information about DragonWave Horizon Quantum (Packet Microwave Device) devices (for information on the NE types supported in Prime Network Version 3.8.x and 3.9.x, see the [DragonWave Horizon Quantum Device \(Packet Microwave System\)](#)):

This section contains the following topics:

- [Horizon Quantum—Supported Software Versions, page 4-5](#)
- [Horizon Quantum—Supported Topologies, page 4-5](#)
- [Horizon Quantum—Supported Modules, page 4-6](#)
- [Horizon Quantum—Supported Technologies, page 4-6](#)
- [Horizon Quantum—Supported Service Events, page 4-6](#)

Horizon Quantum—Supported Software Versions

Table 4-9 *Supported Software Versions for Horizon Quantum—Prime Network Version 3.8.x and 3.9.x*

Software Version	Product Version	DP Version
1.1.0	3.7.2/3.7.3	5.0

Horizon Quantum—Supported Topologies

Table 4-10 *Supported Topologies for Horizon Quantum—Prime Network Version 3.8.x and 3.9.x*

Topology Type	Link Type	Product Version	DP Version
Physical Layer	Physical Layer	3.7.2/3.7.3	5.0

Table 4-10 Supported Topologies for Horizon Quantum—Prime Network Version 3.8.x and 3.9.x

Topology Type	Link Type	Product Version	DP Version
Generic Port	Generic Port ¹	3.7.2/3.7.3	7.0

1. Currently it is supported by using Generic methodology.

Horizon Quantum—Supported Modules

Table 4-11 Supported Modules for Horizon Quantum—Prime Network Version 3.8.x and 3.9.x

Module Name	Product Version	Module Description	DP Version
Horizon Quantum	3.7.2/3.7.3	Horizon Quantum is not a modular device. It contains 8 Ethernet ports and 2 wireless ports.	5.0
Horizon Quantum (Radio)	3.7.2/3.7.3	Horizon Quantum is a dummy module that contains the sub modules for Radio properties.	8.0

Horizon Quantum—Supported Technologies

The following technologies are supported by the Horizon Quantum devices in Prime Network Version 3.8.x and 3.9.x:

- [Ethernet, page 4-8](#)
- [Hardware, page 4-8](#)
- [Serial, page 4-9](#)
- [Generic Port, page 4-10](#)
- [Local Switching, page 4-11](#)

Horizon Quantum—Supported Service Events

Table 4-12 Supported Service Events for Horizon Quantum—Prime Network Version 3.8.x and 3.9.x

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

Table 4-12 *Supported Service Events for Horizon Quantum—Prime Network Version 3.8.x and 3.9.x (Continued)*

Event Name	Product Version	Expedited	DP Version
Device Unsupported	3.7.2/3.7.3	N	5.0
Port down due to admin	3.7.2/3.7.3	N	5.0
Port down due to oper	3.7.2/3.7.3	N	5.0
Device Unsupported	3.7.2/3.7.3	N	5.0
Management Unreachable	3.7.2/3.7.3	N	5.0
Device Partially Managed	3.7.2/3.7.3	N	5.0
Port up	3.7.2/3.7.3	N	5.0

Supported Technologies on DragonWave Devices

The following sections list the objects and attributes that are supported on DragonWave devices in Prime Network Version 3.8.x and 3.9.x per technology:

This section contains the following topics:

- [Ethernet, page 4-8](#)
- [Hardware, page 4-8](#)
- [Serial, page 4-9](#)
- [Generic Port, page 4-10](#)
- [Local Switching, page 4-11](#)
- [LLDP, page 4-12](#)

Ethernet

The following table (Table 4-13) lists the ethernet attributes that are supported on DragonWave devices in Prime Network Version 3.8.x and 3.9.x per technology:

Table 4-13 Ethernet Attribute Support on DragonWave Devices—Prime Network Version 3.8.x and 3.9.x

Attribute	Horizon Compact	Horizon Compact Plus	Horizon Quantum
IMO Name—IEthernet			
MAC Address	Y	Y	Y
Duplex Mode	Y	Y	Y
IANA Type	Y	Y	

Hardware

Table 4-14 lists the hardware attributes that are supported on DragonWave devices in Prime Network Version 3.8.x and 3.9.x per technology:

Table 4-14 Hardware Attribute Support on DragonWave Devices—Prime Network Version 3.8.x and 3.9.x

Attribute	Horizon Compact	Horizon Compact Plus	Horizon Quantum
IMO Name—IChassis			
Description	Y	Y	Y
Serial Number	Y	Y	Y
IMO Name—IModule			
Module Name	Y	Y	Y
Module Description	Y	Y	Y
Software Version	Y	Y	Y
Hardware Type & Version	Y	Y	Y
Radio Description (Soft Property)			Y

Table 4-14 *Hardware Attribute Support on DragonWave Devices—Prime Network Version 3.8.x and 3.9.x (Continued)*

Attribute	Horizon Compact	Horizon Compact Plus	Horizon Quantum
Radio Oper Status (Soft Property)			Y
Radio Transmit Power (Soft Property)			Y
Radio Power Option (Soft Property)			Y
Radio Actual Transmit Power (Soft Property)			Y
Antenna1Tilt (Soft Property)			Y
Antenna2Tilt (Soft Property)			Y
IMO Name—IManagedElement			
IP Address	Y	Y	Y
Communication State	Y	Y	Y
Investigation State	Y	Y	Y
Element Category	Y	Y	Y
Element Type and Key	Y	Y	Y
Device Name	Y	Y	Y
Device Series	Y	Y	Y
System Name	Y	Y	Y
System Description	Y	Y	Y
Up Time	Y	Y	Y
Software Version	Y	Y	Y
Vendor Identity	Y	Y	Y
Sys Contact	Y	Y	Y
Sys Location	Y	Y	Y

Serial

Table 4-15 lists the serial attributes that are supported on DragonWave devices in Prime Network Version 3.8.x and 3.9.x per technology:

Table 4-15 Serial Attribute Support on DragonWave Devices—Prime Network Version 3.8.x and 3.9.x

Attribute	Horizon Compact	Horizon Compact Plus	Horizon Quantum
IMO Name—IPhysicalLayer			
Media Type	Y	Y	Y
Maximum Speed	Y	Y	Y
Is Internal Port			Y
Administrative Status	Y	Y	Y
Operational Status	Y	Y	Y
IANA Type	Y	Y	Y
Port Alias	Y	Y	Y
Location	Y	Y	Y
Connector Description	Y	Y	Y
Status	Y	Y	Y
Managed	Y	Y	Y

Generic Port

The following table ([Table 4-16](#)) lists the generic port attributes that are supported on DragonWave devices in Prime Network Version 3.8.x and 3.9.x per technology:

Table 4-16 Generic Port Attribute Support on DragonWave Devices—Prime Network Version 3.8.x and 3.9.x

Attribute	Horizon Compact	Horizon Compact Plus	Horizon Quantum
IMO Name—IDataLinkLayer			
ModemChannelizedRSL (soft property)	Y	Y	Y
ModemModulationType (soft property)	Y	Y	Y
ModemSNR (soft property)	Y	Y	Y

Table 4-16 **Generic Port Attribute Support on DragonWave Devices—Prime Network Version 3.8.x and 3.9.x (Continued) (Continued)**

Attribute	Horizon Compact	Horizon Compact Plus	Horizon Quantum
ModemEbToNoiseRatio (soft property)	Y	Y	Y
ModemRxBlocksOK (soft property)	Y	Y	Y
ModemRxBlocksError (soft property)	Y	Y	Y
ModemEqualizerStress (soft property)	Y	Y	Y
RadioTransmitPower (soft property)	Y	Y	
RadioOperStatus (soft property)	Y	Y	
RadioTemperature (soft property)	Y	Y	
RadioProgrammedAntennaDiameter (soft property)	Y	Y	
ModemRxFramesOK (soft property)	Y	Y	
ModemRxFramesError (soft property)	Y	Y	
Associated Radio			Y
Associated Radio Index			Y
RadioDescription (soft property)		Y	
RadioActualTransmitPower (soft property)		Y	

Local Switching

The following table (Table 4-17) lists the local switching attributes that are supported on DragonWave devices in Prime Network Version 3.8.x and 3.9.x per technology:

Table 4-17 Local Switching Attribute Support on DragonWave Devices—Prime Network Version 3.8.x and 3.9.x

Attribute	Horizon Compact	Horizon Compact Plus	Horizon Quantum
IMO Name—ILocalSwitchingEntry			
Local Switching Entry Key	Y	Y	Y
Local Switching Entry Status	Y	Y	Y
Segment 1	Y	Y	Y
Segment 1 Port Name	Y	Y	Y
Segment 1 Status	Y	Y	Y
Segment 2	Y	Y	Y
Segment 2 Port Name	Y	Y	Y
Segment 2 Status	Y	Y	Y

LLDP

The following table ([Table 4-18](#)) lists the LLDP attributes that are supported on DragonWave devices in Prime Network Version 3.8.x and 3.9.x per technology:

Table 4-18 LLDP Attribute Support on DragonWave Devices—Prime Network Version 3.8.x and 3.9.x

Attribute	Horizon Compact Plus
IMO Name—I LLDPService	
Status	Y
LldpAdvertisementsInterval	Y
LldpHoldTime	Y
LldpReinitialisationDelay	Y
LocalChassisID	Y

Table 4-18 *LLDP Attribute Support on DragonWave Devices—Prime Network Version 3.8.x and 3.9.x (Continued) (Continued)*

Attribute	Horizon Compact Plus
LocalSystemName	Y
IMO Name—ILDPNeighbor	
LocalPortName	Y
RemotePortDesc	Y
RemoteChassisId	Y
LocalPortId	Y
RemotePortId	Y
RemoteSystemName	Y