

Prisma MediaCenter 6-Slot and 20-Slot Modular Managed Chassis With Redundancy

Description

The Prisma MediaCenter 6-Slot and 20-Slot Chassis are intelligent, carrier-class optical access platforms that support Ethernet, ATM/SONET, T1/E1, DS3/E3/STS-1, and WDM networking technologies. The Prisma MediaCenter Chassis enables network operators to reduce capital and operational expenses by providing all copper-to-fiber and multi-mode to single-mode conversions, network distance extensions, and Ethernet Private Line services from the same chassis platform. Having high-port density, robust design, hot-swappable architecture, SNMP management, and redundant power supplies for fault tolerance, the Prisma MediaCenter Chassis is ideal for installing in the central office (CO) where support for a multitude of diverse applications, using a variety of protocols, is required. Pair this multi-slot chassis with a MediaChassis or another standalone Cisco unmanaged device at the customer premises equipment (CPE).

Figure 1. Prisma MediaCenter 20-Slot Modular Managed Chassis



Figure 2. 6-Slot Modular Managed Chassis



The Prisma MediaCenter Chassis series includes 6-slot (1U high) and 20-slot (3U high) models for installing Prisma series modules. Each chassis includes an additional slot for installing an optional SNMP management module, a Dynamic Host Configuration Protocol (DHCP) client that makes initial configuration easy when the chassis is connected to a local area network with a DHCP server. An SNMP Write Lock switch protects the configured settings of installed modules from being overwritten when removing the management module from the chassis.

Numerous traps help to identify and troubleshoot problems quickly. A Loss of Link trap notifies network operators of potential problems by reporting to the NMS which module or port (along with its description) is experiencing difficulty. The Last Gasp trap announces when the AC line fails, when power supplies are powered down, or when a power supply fails. Additional traps and LEDs indicate problems with fans and power supplies, elevated chassis temperature levels, and other fault conditions. There is an option for redundant AC or DC power supplies, and AC and DC power supplies can be mixed in the same chassis (6-slot chassis only). Temperature controlled fans activate only when the chassis reaches a certain temperature, thereby extending the life of the fans (6-slot chassis only). Both the fans (20-slot chassis only) and power supplies are field replaceable.

Easily configure and manage converters with the GUI-based PrismaView

The Prisma MediaCenter Chassis management module includes the PrismaView SNMP management application software, a DB-9 port for initial configuration, an RJ-45 port for management, support for Telnet sessions, and a DHCP client that makes initial configuration easy by automatically assigning an IP address for the chassis when it is connected to a local area network with a DHCP server. PrismaView allows for easy configuration and the setting of management traps in minutes. PrismaView runs standalone on Windows NT/XP/2000, as a standalone Java Application for other operating systems, as a snap-in module for HP OpenView, as a Web Server running under IIS or as a Java Web Servlet. The Prisma MediaCenter Chassis also supports the Unified Management Agent (UMA), which allows you to manage all installed devices, including those with on-board intelligence such as FiberLinX, with a single IP address and from a central location.

Features

- Media management made easy; SNMP management module includes
 - GUI-based PrismaView application software
 - SNMP V2c agent
 - Supports the Unified Management Agent (UMA)
 - DB-9 connector and cable for serial configuration
 - DHCP and TFTP client
 - Support for Telnet
 - Last Gasp feature sends notification of AC line failures and power supply failures
- Meets various installation/application requirements
 - SNMP-manageable chassis for the CO; 6-slot and 20-slot models available
 - Available with AC or DC power
- Robust, modular design
 - Highest port density with 20-slot chassis
 - User replaceable fans and power supplies in 20-slot chassis
- Install a wide variety of media modules
 - 10, 100 and 1000 Mbps Ethernet and T1/E1/J1 copper-to-fiber converters
 - 10 Mbps Ethernet copper-to-coax converters
 - 10/100 Mbps auto sensing copper-to fiber converters
 - DS3/E3 copper-to-coax converters
 - End-to-end remote fiber management
 - Fiber mode converters
 - Fiber optic repeaters
- Eases troubleshooting
 - SNMP management, fan tachometers, and LEDs assist in diagnosing problems

Product Specifications

Table 1. General Specifications

Description	Value
Prisma MediaCenter	– SNMP-manageable with use of SNMP module – SNMP Write Lock switch protects the SNMP-configured settings – Built to NEBS-III requirements – Last Gasp feature sends notification of AC line failures and power supply failures – Available with AC or DC power – Available with redundant power – Feature user replaceable power supplies
Prisma MediaCenter SNMP Module	– Installs in Prisma MediaCenter 6- & 20- slot chassis – SNMP V1 and V2c compatible – Includes GUI-Based PrismaView – Supports Unified Management Agent – Includes DB-9 connector and cable for serial configuration – Includes DHCP and TFTP client – Supports Telnet – Includes diagnostic LEDs
MIB	– Port Type – Fan speeds – Traps – Fiber Type – Module Type – Link Status of Ports – Chassis temperature – Power Supply Type/Status – User-Definable Name/ID of Product – User-Definable ID/Name of Each Port – Enable/Disable Ports – Enable/Disable FO/FX LinkLoss – Enable/Disable TP/TX LinkLoss – Enable/Disable FiberAlert – Enable/Disable Auto-Negotiation
MIB-II (RFC 1213) (NOTE: This information is for the Prisma Managed MediaCenter Chassis SNMP agent only)	– Packets Transmitted – Packets Received – All Standard MIB II Objects

Table 2. Physical Specifications: Prisma Managed MediaCenter/20

Description	Value
Dimensions (W x D x H)	19.0 in. x 13.8 in. x 5.2 in. (48.26 cm x 35.05 cm x 13.21 cm)
Shipping Weight	30 lbs (13.6 kg)
AC Input Load	100/240 VAC $\pm 10\%$ 50/60Hz, 1 Amp @ 115 V and 0.5 Amps @ 230 V (dual power)
DC Input Load	-38 to -72 VDC; 2.5 A @ -48 VDC (dual power)
Operating Temperature	32 to 122°F (0 to 50°C)
Storage Temperature	-13 to 158°F (-25 to 70°C)
Humidity	5 to 90% (non-condensing)
Regulatory Approvals	FCC Class B, UL/cUL, CSA, CE

Table 3. Physical Specifications: Prisma Managed MediaCenter/6

Description	Value
Dimensions (W x D x H)	17.35 in. x 10.65 in. x 1.75 in. (44.07 cm x 27.05 cm x 4.45 cm)
Shipping Weight	6.2 lbs (2.8 kg)
AC Input Load	100/240 VAC $\pm 10\%$ 50/60 Hz 0.5A @ 115 V and 0.25 A @ 230 V (dual power); 1 A @ 115 V and 0.5 A @ 230V (single)
DC Input Load	1 A @ -48 VDC (dual); 2A @ -48 VDC (single)
Operating Temperature	32 to 122°F (0 to 50°C)
Storage Temperature	-13 to 158°F (-25 to 70°C)
Humidity	5 to 90% (non-condensing)
Regulatory Approvals	FCC Class B, UL/cUL, CSA, CE

Ordering Information

The following chassis and accessories are available:

Table 4. Ordering Information

Product Name	Description	Part Number
Prisma MediaCenter/6-AC	6-slot, rack mountable, includes one PS/125-AC Power Module; option for redundancy	4014520
Prisma MediaCenter /6-2AC	6-slot, rack mountable, includes two PS/125-AC Power Modules (dual power)	4014521
Prisma MediaCenter /6-DC	6-slot, rack mountable, includes one PS/125-DC Power Module; option for redundancy	4014522
Prisma MediaCenter /6-2DC	6-slot, rack mountable, includes two PS/125-DC Power Modules (dual power)	4014523
Prisma MediaCenter /20-Dual-AC	20-slot, rack mountable, includes two PS/401-AC Power Modules (dual power), SNMP Management Module	4010062
Prisma MediaCenter /20-Dual-DC	20-slot, rack mountable, includes two PS/300-DC Power Modules (dual power), SNMP Management Module	4006145
Prisma MediaCenter SNMP Management Module	Prisma MediaChassis SNMP Management Module	4006148
AC PS/125-AC Power Module	Redundant Power Supply, 125 watt, 100/240 VAC $\pm 10\%$ (for 6-slot)	4011788
DC PS/125-DC Power Module	Redundant Power Supply, 125 watt, -48 VDC $\pm 10\%$ (for 6-slot)	4011789
AC PS/401-AC Power Module	Redundant Power Supply, 400 watt, 100/240 VAC $\pm 10\%$ (for 20-slot)	4011716
DC PS/300-DC Power Module	Redundant Power Supply, 300 watt, -48 VDC $\pm 10\%$ (for 20-slot)	4011715



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