Cisco Media Experience Engine (MXE) 5600 Power Supply Module

Product Overview

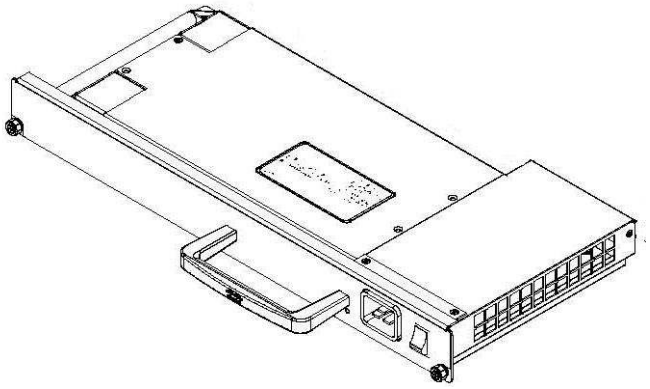
The Cisco® Media Processing category, which includes the Cisco Media Experience Engine Family of products, is a new class of devices designed to expand the reach and usefulness of video as a collaboration and communications tool. As a part of the Cisco any-to-any vision for network-based media processing, the Cisco Media Experience Engine Family provides a suite of media adaptation and customization features that allow Cisco and our partners and systems integrators to develop a broad range of media-oriented applications.

The Cisco Media Experience Engine (MXE) 5600 is a modular media-processing platform that combines advanced media-processing features with high performance and scalability to extend the reach of collaboration.

The Cisco MXE 5600 Power Supply Modules (Figure 1) deliver fault tolerance, high efficiency, load sharing, and hot-swappable features to the Cisco MXE 5600. Each Cisco MXE 5600 Chassis can accommodate multiple power supplies providing both chassis-level and facility power fault tolerance.

The power supply modules are fully hot-swappable, helping ensure no system interruption occurs during installation, upgrades, or service. They are fitted at the back of the Cisco MXE 5600 chassis, allowing installation and removal without disturbing the network cabling on the front, and reducing the vertical rack-space requirements for the chassis.

Figure 1. Cisco MXE 5600 Power Supply Module



Features and Benefits

- Six hot swap-capable, intelligent power-supply modules with internal protection and over-current protection through a circuit breaker provide redundant, hot-swappable AC power to the system.
- Auto-ranging input (100–120 VAC and 200–240 VAC; 50–60 Hz) simplifies installation and eliminates configuration errors.
- Rear-accessed module slots allow servicing without disrupting network cabling, and reduce the vertical rack space required by the chassis.
- The better-than-85 percent efficiency conserves power and reduces waste heat.

Note: Product features are subject to change. An updated data sheet showing actual features will be released after first customer shipment.

Cisco MXE 5600 Power Supply Module

Each AC power-supply module for the Cisco MXE 5600 is a single 15-ampere AC input unit. The AC power cord for the Cisco MXE 5600 Power Supply Module is detachable, allowing you to easily use the same power supply in different geographies by using region-specific power cords.

The six variable output power supply modules provide up to the maximum power drawn by a fully configured Cisco MXE 5600—up to 4000 watts—and support multiple system-level redundancy options for greater availability. Designed to address high-availability requirements, the power-supply modules incorporate internal component-level monitoring, temperature sensors, and intelligent remote-management capabilities.

The Cisco MXE 5600 Power Supply Modules support a six-member redundancy scheme, operating in a load-sharing configuration. In such a redundant configuration, three pairs of supplies are installed.

Table 1 lists the power redundancy modes for the Cisco MXE 5600 Power Supply Module.

Table 1. Power Redundancy Modes

Redundancy Configuration	Description
Nonredundant configuration	3 power supply modules
Power-supply redundancy (3x 1+1)	6 power supply modules; guards against failure of multiple power supplies
Power-supply and input-source redundancy (full redundancy)	Highest availability redundancy mode; guards against failure of multiple power supplies or one AC grid, and power available is always the minimum of input source and power supply redundancy

Product Specifications

Table 2 lists the product specifications for the Cisco MXE 5600 Power Supply Module.

Table 2. Product Specifications

Item	Specification
Power supply	Cisco MXE 5600 Power Supply Module
Chassis compatibility	Cisco MXE 5600 Chassis
Input voltage range	100–120 VAC and 200–240 VAC (auto-ranging)
Input frequency range	50–60 Hz
Input current (maximum)	15A (100–120 VAC); 7.5A (200–240 VAC)
Power-supply input receptacle	IEC 60320 C19
Power-cord rating	16A
Mean time between failure(s)	300,000 hours
Output holdup time	20 msec
Cooling	Power-supply module is cooled by the Cisco MXE 5600 chassis fans
Environmental conditions	Ambient operating temperature: 23 to 104ºF (–5 to 40ºC) Ambient nonoperating temperature: –40 to 158ºF (–40 to 70ºC)
Relative humidity	Ambient (noncondensing) operating: 10 to 85% Ambient (noncondensing) nonoperating and storage: Maximum 95%
Regulatory compliance	The Cisco MXE 5600 meets both safety and EMC requirements for the following countries and areas at first availability: Australia and New Zealand Canada European Union Japan United States The Cisco MXE 5600 is intended for worldwide distribution to all Cisco theaters. Other countries and areas will be supported following first availability. Please request updated information from Cisco.

Warranty Information

For warranty information about the Cisco MXE 5600 Power Supply Module, please visit Product Warranties at Cisco.com.

Ordering Information

The Cisco Media Experience Engine (MXE) 5600 is targeted to be orderable by early 2010.

Cisco Services

Cisco and our partners provide a broad portfolio of intelligent, personalized services and support that can help you realize the full value of your video investment, increase business agility and network availability. This portfolio of services drives business transformation through a network-based collaboration platform that enables business to collaborate anywhere, anytime. For more information about these services, visit: http://www.cisco.com/go/services/digitalmedia.

For More Information

For more information about the Cisco MXE 5600, visit http://www.cisco.com/go/mxe or contact your local Cisco account representative.

Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV
Amsterdam, The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

Printed in USA C78-565185-01 02/10