

Raven™ Series

Managed Media Converter Chassis Version 2

MIL-RCM16A-V2



- SNMP, Console and Web-based Management
- Redundant and load sharing 100 – 240 VAC
- Hot swappable modules
- 10/100Mbps to 100Mbps, or
- 10/100/1000Mbps to 1000Mbps Ethernet
- Bi-Directional WDM Single Fiber Models
- Auto MDI/MDX, Auto-Negotiation,
- LinkSentry™

Product Overview

The Raven Series modular conversion system is an excellent value for fiber connections in wiring closets, whether the main or an intermediate distribution point. The chassis is like an intelligent patch panel. The 19 inch, 3U high chassis allows you to convert UTP ports on high-end switches into fiber ports. You can mix and match fiber types and speeds in the chassis, a level of flexibility not afforded to you by the switch vendors. When you replace your switch with a newer model, you save the cost of fiber again since it is already there in our media conversion chassis.

The Raven Series is designed with ease of use in mind. The UTP port will auto-detect the cabling type (cross over or straight through), the polarity of the pins, the speed of the port and the mode of the port without any user intervention. No more concerns about what type of device the converter is connecting, whether hub or server. The broad range of media for the fiber port makes for optimal flexibility in designing the network, and upgrading the network in the future.

This product has been designed with diagnostic functions as well. The LinkSentry™ feature allows for passing through physical layer failures from one media to the other. This allows for a higher reliability in your network by making all components aware of network failures as they occur. The management system sends traps when link failures are seen on the ports.

The ease of use, flexibility in network design, advanced diagnostic capabilities and management features make the Raven series of modular converters the optimal conversion product for your network.



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Raven™ Series Managed Media Converter Chassis V2

MIL-RCM16A-V2

Features

16 slot chassis
Hot swappable modules
Fully manageable via management module
SNMP, Telnet, Console and Web-based GUI management support
SNMP traps on module status change, port link state change, cold/warm boot
Dual redundant power supply, hot swappable (AC or DC)
Out of band management through serial DB-9 port
TS-1000 and Loop Back on 10/100 Modules

100M Fiber Latency

Modular : 20785ns (64 byte packet, 100Mbps Full Duplex)

100BaseFX Fiber Port Characteristics

Multi-mode

Speed: 100BASE-FX Multi-mode (2km)
Transmitter: Wavelength 1310nm
Output Power (50 or 62.5/125µm): -20dBm
Receiver: Wavelength 1310nm;
Sensitivity: -32dBm

Single-mode

Speed: 100BASE-FX Single mode (30km)
Transmitter: Wavelength 1310nm
Output Power (8 or 9/125µm):-15dBm
Receiver: Wavelength 1310nm
Sensitivity:-34dBm

WDM

Speed: 100BASE-FX Single mode (20km)
Transmitter: Wavelength 1310nm or 1550nm
Output Power (8 or 9/125µm):-14dBm
Receiver: Wavelength 1550nm or 1310nm
Sensitivity:-31dBm

Gigabit Features

MAC Address Table: 1024 address
Forwarding and Filtering Rate:
148,880pps for 1000Mbps; 148,880pps, 14,880pps for 10Mbps
Modular Latency: 5140ns (64 byte packet, 1000Mbps Full Duplex)

Gigabit Fiber Port Characteristics

Multi-mode

Speed: 1000BASE-SX Multi-mode (550m)
Transmitter: Wavelength 850nm
Output Power (50 or 62.5/125µm): -9.5dBm
Receiver: Wavelength 850nm;
Sensitivity: -17dBm

Single-mode

Speed: 1000BASE-LX Single mode (10km)
Transmitter: Wavelength 1310nm
Output Power (8 or 9/125µm): -9.5dBm
Receiver: Wavelength 1310nm
Sensitivity: -20dBm

Physical Characteristics

MIL-RC341X and MIL-RC6413XX Series - Modular
Dimensions: Width: 2.69" [68.33mm]
Depth: 6.25" [158.75mm]
Height: 0.94" [23.81mm]
Weight: 0.35 lbs. (0.16 kg)

MIL-RCM16A-V2 Media Conversion Management Chassis
Dimensions: Width: 17.63"[448mm]
Depth: 10.98"[279mm]
Height: 3.50"[89mm]
Weight: 5.75 lbs. (2.6 kg)

MIL-RCS10 Media Conversion Chassis for Standalone Converters
Dimensions: Width :17.32"[440 mm]
Depth: 10.47"[266mm]
Height: 5.24"[133mm]
Weight: 6.75 lbs. (3.1 kg)

Operating Temperature: 0 to 50C (32F to 122F)
Storage Temperature: - 25C to 70C (-13F to 158F)
Operating Humidity: 10% to 95% (non-condensing)

Power Supply

MIL-RMC-ACPS
Input Current: 20 A(max)
Input Voltage: 90VAC – 240VAC @ 50Hz or 60Hz
Power Consumption: 100 Watts maximum
Power Chord: Detachable Chord

MIL-RMC-DCPS
Input Voltage: - 40.5 ~ - 57.0VDC
Power Consumption: 100 Watts maximum

Functional Standards: IEEE 802.3, 802.3u, 802.3x
Safety: UL, CE
Compliance: FCC Class A, CSA Class A, CE Mark,
EN55022 Class B, EN55024

Ordering Information

Raven Converters - Modules

MIL-RC3412-V2: 10/100BASE-TX / 100BASE-FX ST MMF 2km
MIL-RC3413-V2: 10/100BASE-TX / 100BASE-FX SC MMF 2km
MIL-RC3413-30-V2: 10/100BASE-TX / 100BASE-FX SC SMF 30km
MIL-RC34W13-V2: 10/100BASE-TX / 100BASE-FX SC SMF TX 1310/1550 WDM
MIL-RC34W15-V2: 10/100BASE-TX / 100BASE-FX SC SMF TX 1550/3110 WDM
MIL-RC6413SX: 10/100/1000BASE-TX / 1000BASE-SX SC MMF 550m
MIL-RC6413LX: 10/100/1000BASE-TX / 1000BASE-LX SC SMF 10km

Raven Converters- Chassis

MIL-RCM16A-V2: 16 slot chassis
with management module and single 100 – 240VAC power supply
MIL-RCM-ACPS: 100 – 240 VAC power supply
MIL-RCM-DCPS: -48 VDC power supply
MIL-RCS10: 10 slot chassis for standalone Raven Converters (Unmanaged)

Technical Support & Warranty

Free technical support and advanced warranty support for 1 year. Including free telephone support, 24-hour support via web and ftp.