



<u>Chassis</u>	<u>MCR-16A</u>	<u>MCRM-18A</u>	<u>MCRM-18D</u>	<u>MCRM-18AR</u>	<u>MCRM-18DR</u>
Fits 19" rack	Yes	Yes	Yes	Yes	Yes
Module Slots	19	19	19	19	19
Mgmt. Support	No	Yes	Yes	Yes	Yes
Status Module	Installed	Installed	Installed	Installed	Installed
Mgmt. Module	N/A	Installed	Installed	Installed	Installed
MC slots	16	16	16	16	16
Power Input	VAC	VAC	VDC	VAC	VDC
Input Range	100-240V	100-240V	-48V	100-240V	-48V
Power Modules	1	1	1	2	2
Power rating	150W	150W	130W	150W	130W
Cooling	Fan	Fan	Fan	Fan	Fan
Chassis Wt.	18lbs (8.2kg)	17lbs (7.7kg)	16lbs (7.1kg)	20lbs (8.8kg)	17lbs (7.7kg)
Dimension	3.5 x 17.5 x 13in (HxWxL) / 88 x 443 x 328mm				
Operating Temp.	-10 ~ 50°C	Storage Temp. -20 ~ 70°C		Humidity 10 ~ 90%RH	
<u>Slide-In Modules</u>					
Standard	10/100Mbps Modules – IEEE 802.3 10BaseT; 802.3u 100BaseTX/FX-FX; 802.3x flow control 1000Mbps Modules – IEEE 802.3ab 1000BaseT; 802.3z 1000BaseSX/LX				
TP Port	Shielded RJ45				
FX Port	SC connector				
Cables	TP Port: Cat. 5 UTP 100meters on 100BaseTX		Cat. 3, 4, 5 UTP 100meters on 10BaseT		
	FX Port: Multimode, 62.5/125µm		Single Mode, 9/125µm		
RAM Buffer	1Mbit				
LEDs	Power, TP link/Act., FX link, TP speed and duplex status				
Environment	Operating Temperature: -10 to 50°C		Storage Temperature: -20 to +75°C		

Module	Link Budget	Data Rate	Connector	Mode	Wavelength	Distance
M7173S	13.5 ±1 dB	10/100Mbps	ST	MM*1	1310nm	2Km
M7174S	13.5 ±1 dB	10/100Mbps	SC	MM	1310nm	2Km
M7175S-2	16 ±1 dB	10/100Mbps	SC	SM*2	1310nm	20Km
M7175S-5	29 ±1 dB	10/100Mbps	SC	SM	1310nm	50Km
M7175S-3SFA	19 ±1 dB	10/100Mbps	SC	SM SF*3	Tx-1310nm / Rx-1550nm	20Km
M7175S-3SFB	19 ±1 dB	10/100Mbps	SC	SM SF	Tx-1550nm / Rx-1310nm	20Km
M7154	6 ±1 dB	1000Mbps	SC	MM	850nm	220/500m
M7155	8 ±1 dB	1000Mbps	SC	SM	1310nm	10Km
M7155-4	19.5 ±1 dB	1000Mbps	SC	SM	1310nm	40Km

MM\*1 – Multimode  
 SM\*2 – Single Mode  
 SF\*3 – Single Fiber

16-Slot  
 10/100 Media  
 Converter Center



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FCC Part 15, Class A  
 CISPR 22 Class A

Jan2004 16-Slot 10/100/1000  
 Media Converter Center DS



### Chassis

- 19" rack mountable managed modular media converter center
- Accommodates up to 16 autosensing media converter modules
- Slide-in module on rear for AC/DC power modules
- Hot swappable function for converter modules
- Modularized design with media converter modules, SNMP module and two system power modules
- Visible system status
- Supports in-band telnet, SNMP, and web-based management
- Supports out-of-band RS-232 console management
- Management from anywhere and any platform as using a web browser
- Graphic user interface for easy configuration and monitoring of the system
- Supports in-band event SNMP trap report
- Provides TFTP Software for firmware upgrade
- Supports single fiber connectivity when using M7175S-3SFA and M7175S-3SFB modules

### Slide-In Media Converter Modules

- Provide media conversion for TP and fiber optic media types
- 10/100Mbps modules extend network span from 2km (multimode) to 40km (single mode)
- 1000Mbps modules extend network span from 220m (multimode) to 10km (single mode)
- 10/100Mbps, auto-negotiation on TP port
- Support IEEE 802.3 Ethernet frame 64 ~ 1518 bytes and VLAN tagged frame up to 1522 bytes
- Auto MAC address learning and 4,096 MAC address table entries
- Support back-pressure-based flow control on half duplex
- Support pause-frame-based flow control on full duplex
- Store and forward technology.

### Management

- Provides telnet, SNMP and web browser software over TCP/IP network
- Supports Ipv4, TCP, UDP, ICMP, SNMP, MIB-II, TFTP, Telnet and HTTP protocols
- Provides telnet operation to:
  - set and display IP parameters for the system, SNMP parameters for the SNMP agent function
  - monitor system fan status and other system information
  - monitor installation status of each slot
  - monitor configuration and link status of each module installed
  - restore default settings for the system
  - change administrator password for access control
  - update system software
- Provides Self-test function each time power is first applied
- Provides IP and SNMP menu for setting system information as requested
- Provides status information of power, fan, CPU and Slots
- Provides update firmware for supported software through TFTP protocol
- Performs graphical user interface as running SNMP management
- Provides standard MIB-II (RFC1213) and private MIB
- SNMP traps are supported by system generated events
- Provides an HTTP server from any web browser over internet or intranet



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