



Multi-port Media Converters

FR-620X-MC16-AA Series

2U Rack-mount 16-port TX to 16-port SFP Ethernet Media Converter
with Redundant AC Power inputs

Product Data Sheet



FR-620X-MC16-AA Series



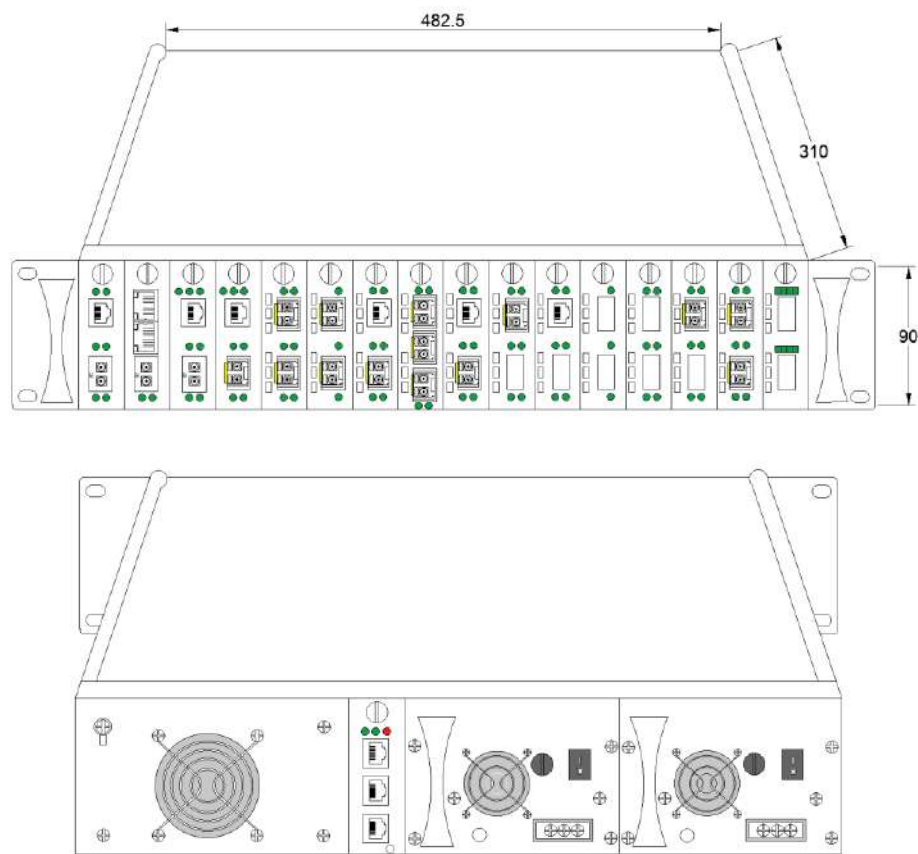
Main Features

- The chassis-based media converter system includes 16-port TX to 16-port SFP Ethernet Media Converter.
- Support Fast Ethernet or Gigabit Ethernet
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or manual mode in TP port
- Supports flow control Enable or Disable
- Ingress/Egress bandwidth control
- Supports in-band IEEE802.3ah management
- Supports Link Fault Pass-Through (LFPT) Function

Hard Spec.	FR-6201-MC16-AA	FR-6203-MC16-AA
Port	16 × 10/100Base-TRJ45, 16 x100Base-XSFP/SC	16 x10/100/1000Base-TRJ45,16 x1000Base-X SFP/SC
PortMode(Tx)	Auto Negotiation Speed Full/Half Duplex Mode	
IEEE Standard	Auto MDI/MDI-X Connection IEEE802.3for10BaseT IEEE802.3ufor100BaseT(X)and100BaseFX IEEE802.3abfor1000BaseT(X) IEEE802.3zfor1000BaseSX/LX/LHX/ZX	
Maximum Packet Length	2046Bytes	
Forward Filter Rate	14,880pps(10Mbps) 148,800pps(100Mbps) 1,488,000pps(1000Mbps)	
Transmission Mode	Store and Forward (full/half duplex mode) Cut-Through	

Hard Spec.	FR-6201-MC16-AA	FR-6203-MC16-AA
Optical Fiber Port	Depends on optical module (0-160km)	
RJ45 Port Transmission Distance	100m (using standard CAT5/CAT5e cable)	
Interface Parameters	Electric Port: 1 × 10/100/1000Base-T Adaptive (RJ45) Serial Port: 1 × RS-232 Console Management Port	
LED Indicators	System LED Indicators: Power, System Status Service interface LED indicators are provided by each port	
Power Supply Design	Input Voltage: AC 220V Power Configuration: Dual power modules and redundant power supply Power Protection: Supports reverse connection protection, over-current protection and over-voltage protection	
Power Consumption	≤80W	
Environmental Index	Operating Temperature: 0°C~55°C Storage Temperature: -20°C~70°C Operating Humidity: 5% ~ 95% RH (Non-condensing) Heat Dissipation Mode: Fan cooling	
MTBF	≥100000 Hours	
Installation Spec.	Rack-mount Installation Dimensions (L×W×H, mm): 482.5×310×90	
Warranty	2 Years	
IP Rating	IP40	

Dimensions Unit: mm



Ordering Information

Available Model	Description	Input Voltage	Operating Temp.
FR-6201-MC16-AA	Rack-mount 16-port 10/100Base-TX to 16-port 100Base-SFP Ethernet Media Converter with Redundant AC Power inputs	AC220V	0 to +55°C
FR-6203-MC16-AA	Rack-mount 16-port 10/100/1000Base-TX to 16-port 1000Base-SFP Ethernet Media Converter with Redundant AC Power inputs	AC220V	0 to +55°C

Precautions

To prevent equipment damage or personal injury caused by improper operation, please observe the following precautions:

- ❖ Turn off the power before installation. Wear an anti-static wrist strap and ensure proper skin contact to prevent electrostatic discharge (ESD) damage.
- ❖ Ensure the power supply voltage matches the voltage specified on the switch.
- ❖ Before powering on the switch, verify that the power circuit is not overloaded to avoid abnormal operation or equipment damage.
- ❖ Do not open the chassis while the switch is operating. To avoid the risk of electric shock, do not disassemble the device.
- ❖ Disconnect the power before cleaning. Do not use a wet cloth or liquid cleaners.
- ❖ When installing in a rack, mount equipment from bottom to top to prevent overloading.
- ❖ Do not place heavy objects on the switch.

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