



# 10/100 Base-TX to 100Base-FX Media Converters

EIS-x-Sx Series



## PRODUCT FEATURES

- 128K bits buffer memory
- DIP switch configuration for "Link-Fault-Pass-Through", speed, duplex mode 10/100Mbps-Full/Half-duplex
- Auto-negotiation, Auto-MDI/MDIX
- Full wire-speed forwarding rate
- Ships with 12VDC external power supply
- 0°C to +45°C (+32°F to +113°F) operating temperature
- Aluminum case
- Desk, wall mount or optional chassis installation

Media converters do more than just convert copper Ethernet signals to fiber. They allow your LAN to be extended beyond the normal 100 meter limit. By using a pair of media converters, LANs can be extended up to 2km with multimode fiber and up to 20km with single-mode fiber. Since your data is traveling via fiber, it's protected from ground loop problems and electrical interference present along the cable run.

The economical EIS series media converters are stand-alone products that come with a power supply or can be mounted in a 19 inch rack chassis. The optional rack system holds up to 16 of the EIS products and includes one power supply to power installed EIS models via the backplane.

A second power supply for the rack system is available. Two power supplies will provide a load-sharing service to add redundancy to your system. If one power supply goes down, the other takes over immediately.

## ORDERING INFORMATION

MODEL NUMBER	10/100 COPPER	FIBER	DISTANCE
<b>US Power Supply</b>			
EIS-M-ST	1 (RJ-45)	Multi-mode (ST)	2 km
EIS-M-SC	1 (RJ-45)	Multi-mode (ST)	2 km
EIS-S-SC	1 (RJ-45)	Single-mode (SC)	20 km
<b>European Power Supply (-EU)</b>			
EIS-M-ST-EU	1 (RJ-45)	Multi-mode (ST)	2 km
EIS-M-SC-EU	1 (RJ-45)	Multi-mode (ST)	2 km
EIS-S-SC-EU	1 (RJ-45)	Single-mode (SC)	20 km
<b>United Kingdom Power Supply (-UK) :</b>			
EIS-M-ST-UK	1 (RJ-45)	Multi-mode (ST)	2 km
EIS-M-SC-UK	1 (RJ-45)	Multi-mode (ST)	2 km
EIS-S-SC-UK	1 (RJ-45)	Single-mode (SC)	20 km

## ACCESSORIES

- EIS-PS-US - EIS Series External Power Adapter 12V US Plug
- EIS-RACK-16 - Media Converter 19 Inch 2U Rack Chassis - 16 Slots
- EIS-RACK-PS - Power Supply For EIS-Rack-16, 84 Watts
- C5UMB3FBG - 3 ft - Beige - Category 5e UTP Patch Cord Assemblies
- EIS-PS-EU - EIS Series External Power Adapter 12V EU Plug
- DRT-960-48 - Power Supply, DIN, Metal, 960W, 48V, 340-550Vac 3Phase Input
- EIS-PS-UK - EIS Series External Power Adapter 12V UK Plug

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## SPECIFICATIONS

TECHNOLOGY	
Standards	IEEE802.3 10BASE-T IEEE802.3u 100BASETX/100BASE-FX, IEEE802.3x Store-and-Forward
Processing Type	Half-duplex back-pressure and IEEE802.3x full-duplex flow control
Forward and Filtering Rate:	14,880pps for 10Mbps; 148,810pps for 100Mbps
Packet buffer memory:	128K bits
INTERFACE	
Ethernet Port	10/100BASE-TX: 1 port 100BASE-FX: 1 port
LED Indicators:	Per Unit: Power Status (Power) Per port, 10/100T: Link/Activity, Full-duplex/Collision, Speed Per port, 100FX: Link/Activity, Full-duplex/Collision
POWER	
Input Voltage:	12VDC
Consumption	1.92W Max. 0.16A @ 12VDC
ENVIRONMENTAL	
Operating Temperature:	0 to 45°C (32 to 113°F)
Storage Temperature:	-10 to 70°C (14 to 158°F)
Ambient Relative Humidity:	5 to 95% (non-condensing)

MECHANICAL	
Enclosure	Aluminum case
Dimensions:	80.3W x 109.2D x 23.8H mm (3.16W x 4.30D x 0.94H in)
Weight:	150g (0.33lb)
Installation:	chassis system
REGULATORY APPROVALS	
ISO:	Manufactured in an ISO9001 facility
Safety:	UL60950-1
Emission Compliance:	CE Mark Class A FCC Part 15 Class A VCCI Class A

## MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

