

45 SERIES 100BASE-TX 10BASE-T Ethernet



10Base-T, 100 Base-TX Ethernet Data System

FEATURES:

- Complete Fiber Optic to Twisted Pair Media Interface
- Jumper Selectable Auto Negotiate, 10/100 Mbs, Full/Half Duplex
- Low Latency 10 Mbs Path
- MDI/MDIX Switch
- Link/Speed and Activity Indicators for UTP and Fiber Ports
- One (WDM) and Two Fiber Versions Available
- Singlemode and Multimode Fiber Versions Available
- Hot Swappable

SPECIFICATIONS:

Ethernet:

Data Rate:

Auto Negotiated10/100 Mbs
Distance (Per IEEE802.3)

FiberHalf Duplex/Full Duplex

Multimode412m/2Km

Singlemode412m/3Km

ConnectorRJ45

Optical:

Wavelength:

Two Fiber1310 nm

One Fiber1310/1550 nm

Source:

Multimode Two FiberLED

Multimode One FiberLaser

SinglemodeLaser

Loss Budget > 11 dB

Connector SC or ST

Power:

Voltage 12 VDC

Current < 250mA

Connector2 pin Terminal Block

Physical:

Temperature -20 to 70°C

Humidity 5 to 95%

Size:

Module -4¼" X 4¼" X 1½"

Rack Card requires one rack slot - 6½" x 1" x 5"



The American Fibertek 45 Series transmits and receives 10Base-T or 100Base-TX over optical fiber. The system is comprised of two transceivers forming a point-to-point communications link. The system is designed to be completely transparent with auto negotiate features. For ease of installation an MDI/MDIX crossover switch is provided. Diagnostic indicators provide a quick visual indication of system status. Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR-20/2 or SR-20R/1.

ORDERING INFORMATION:

MX-45-FX-SC = Two Fiber Module Multimode SC Connectors
RX-45-FX-SC = Two Fiber Rack Card Multimode SC Connectors

MX-45-FX-ST = Two Fiber Module Multimode ST Connectors
RX-45-FX-ST = Two Fiber Rack Card Multimode ST Connectors

MT-45-ML-SC = One Fiber Module Multimode SC Connectors 1310 nm TX
MR-45-ML-SC = One Fiber Module Multimode SC Connectors 1550 nm TX
RT-45-ML-SC = One Fiber Rack Card Multimode SC Connectors 1310 nm TX
RR-45-ML-SC = One Fiber Rack Card Multimode SC Connectors 1550 nm TX

MT-45-SL-SC = One Fiber Module Singlemode SC Connectors 1310 nm TX
MR-45-SL-SC = One Fiber Module Singlemode SC Connectors 1550 nm TX
RT-45-SL-SC = One Fiber Rack Card Singlemode SC Connectors 1310 nm TX
RR-45-SL-SC = One Fiber Rack Card Singlemode SC Connectors 1550 nm TX

One fiber, connector and wavelength combinations are available. Please consult the factory for details.

