Ethernet AUI to Fiber

Transceivers

E-FRL-MC05(xx)

10BASE-FL Full/Half-Duplex Transceiver
The Full/Half-Duplex 10BASE-FL Transceiver provides low cost network migration options. Extend connection distances between hubs and workstations by incorporating fiber optic technology into your network.

Features

- Link Pass Through

Both multimode and single mode transceivers connect AUI male (DB-15) nodes to a fiber optic medium via a standard ST type connector in both full and half-duplex modes. The ability to operate in full-duplex mode allows for operation between switches, routers and servers using full-duplex Ethernet.

Connect AUI to Fiber

Ordering Info

Product Number	Port One	Port Two
E-FRL-MC05	10BASE5 (AUI) (DB-15) [50 m/164 ft.]	10BASE-FL 850nm multimode (ST) [2 km / 1.2 miles]
E-FRL-MC05(SC)	10BASE5 (AUI) (DB-15) [50 m/164 ft.]	10BASE-FL 850nm multimode (SC) [2 km / 1.2 miles]
E-FRL-MC05(L)	10BASE5 (AUI) (DB-15) [50 m/164 ft.]	10BASE-FL 1300nm multimode (ST) [5 km / 3.1 miles]
E-FRL-MC05(SM)	10BASE5 (AUI) (DB-15) [50 m/164 ft.]	10BASE-FL 1310nm single mode (ST) [20 km / 12.4 miles]

Specifications

Standards	IEEE 802.3
Fiber Optic Connector Specs	
E-FRL-MC05 & E-FRL-MC05(SC)	Min TX PWR: -19.0 dBm Max TX PWR: -10.0 dBm RX Sensitivity: -29.5 dBm Max In PWR: -7.2 dBm Link Budget: 10.5 dB
E-FRL-MC05(L)	Min TX PWR: -19.0 dBm Max TX PWR: -14.0 dBm RX Sensitivity: -29.5 dBm Max In PWR: -14.0 dBm Link Budget: 10.5 dB
E-FRL-MC05(SM)	Min TX PWR: -29.0 dBm Max TX PWR: -10.0 dBm RX Sensitivity: -34.0 dBm Max In PWR: -14.0 dBm Link Budget: 5.0 dB
Status LEDs	Status: Steady on indicates normal operation; Blinking once indicates link down; Blinking twice indicates AUI packets are too long (local jabber); Not lit indicates no connection to external power. Collision: Flashing or lit LED indicates collisions are occurring Receive: Flashing or lit LED indicates packets are being received Transmit: Flashing or lit LED indicates a packet has been transmitted

Switches	Position 1: On/Off selectable SQE testing for NICs and hubs that support SQE Position 2: Link Pass Through On/Off control Position 3: Half-/Full-duplex mode control
Dimensions	Width: 1.65" [42 mm] Depth: 3.8" [95 mm] Height: 0.94" [24 mm]
Power	No external power required
Environment	0° – 40°C; 10% – 90% humidity non-condensing; 0 – 10,000 ft. altitude
Shipping Weight	1 lb. [0.45 kg]
Compliance	FCC & CISPR Class A; CE Mark
Warranty	Lifetime

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