

Technical Support:

For more information about this product or other Transition Networks products, call your local Transition Networks distributor.

Direct numbers are listed below:

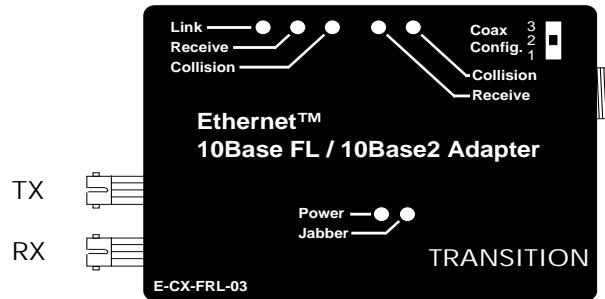
TE Main Phone Numbers: (800) 325-2725 or (612) 941-7600
 TE Technical Support Number: (800) 260-1312
 TE Fax Number: (612) 941-2322

Fiber Optic (10BaseFL) to Coax (10Base2) Media Converter Installation Guide

P/N E-CX-FRL-03

About the Media Converter:

The Transition Networks, P/N E-CX-FRL-03, is an Ethernet Media Converter that provides conversion from fiber optic cable (10BaseFL) to thin coax cable (10Base2). The Media Converter has a BNC female coax connection and two Receive and Transmit type fiber optic connectors. The coax side will allow up to 24 coax devices to be daisy chained together (610 feet max). The fiber optic ST connections will extend the transmission distance up to 2000 meters (6,600 feet). An SMA type fiber connection is also available, Transition Networks P/N E-CX-FRL-03(SMA).



Rev 06/95
P/N 7340.B

Dimensions are : 4.1" x 2.9" x .85" (104mm x 74mm x 22mm)

Media Converter Specifications:

Fiber Connection:	ST type connectors (SMA type available upon request)
Fiber Optic Cable Maximum Distance:	2,000 Meters (6,600 feet)
Fiber Optic Cable Recommended:	62.5 / 125 μ m multimode fiber
Optional	100 / 140 μ m multimode fiber 85 / 125 μ m multimode fiber 50 / 125 μ m multimode fiber
Coax Cable Specifications:	50 ohm RG 58, approved Ethernet cable recommended
Coax Cable Maximum Distance:	185 Meters (610 feet)
Coax Devices:	24 workstations (or DTEs) daisy chained per segment
Power Supply:	External AC/DC Class 2 wall mount unit, reg. 9 VDC at 0.5 A
Environment:	0 -70 degrees C, 5% - 90% humidity non-condensing, 0 - 10,000 feet altitude
Limited Warranty:	Two years

Terminating the BNC connection:

The Media converter has an external thin coax 50 ohm, 25 ohm and NO termination switch, which can be changed depending on the type of thin coax connection required.

Position (1) 50 ohms, is used when connecting the end of a coax segment directly to a BNC. NOTE: The other end of the coax segment must be terminated using a 50 ohm terminator.

Position (2) requires a BNC "T" connector (NOT INCLUDED). This is used when connecting the Media converter into the middle of a coax segment.

Position (3) is for 25 ohm termination and allows coax connection directly to the workstation or DTE. A connection (cable) of less than 6 inches is required. A BNC to male adapter is recommended.

Power Supply Requirements:

Connect the power supply cable to the Media Converter before connecting to the workstation or DTE. Replace power supply with only the equivalent input rating (refer to the table below) output rating (regulated 9VDC at 0.5 A).

TE P/N	Requirement	Location
3514	100 volts, 50-60 hertz	Japan
3515	240 volts, 50 hertz	Australia
3516	230 volts, 50 hertz	Europe
3517	240 volts, 50 hertz	United Kingdom
3518	120 volts, 60 hertz	USA/Canada/Mexico

FCC Regulations:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own cost.

Canadian Regulations:

Note: This digital apparatus does not exceed the Class A limits for radio noise for digital apparatus set out on the radio interference regulations of the Canadian Department of Communications.

Trademarks:

Ethernet is a registered trademark of the Xerox Corporation, Inc. Transition Networks is a trademark of Transition Networks, Inc.

Monitoring the Media Converter's LED's:

Main:	Power -	Lit green LED indicates normal operation.
	Jabber -	Flashing red LED indicates Jabber is active.
Coax Port:	Receive (RX) -	Flashing or lit green LED indicates packet(s) are being received.
	Collision -	Flashing or lit red LED indicates a collision has occurred.
Fiber Port:	Link -	Lit green LED indicates the transceiver is receiving link pulsed from a 10Base FL (or FOIRL) compliant device.
	Receive (RX) -	Flashing or lit green LED indicates one or more packets have been received.
	Collision -	Flashing or lit red LED indicates line collisions.