XTEND-2/FL

10Base-2/FL Converter

ETP-20118 Installation Guide

FCC WARNING

This equipment has been tested and found to comply with the limits for a class A device, pursuant to part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. This energy and, if not installed and used in accordance with the instructions, may cause harmful interference, in which case, the user will be required to correct the interference at user's own expense.

WARRANTY

UNICOM Electric, Inc. is so confident of the quality of our products that we are now extending our warranty period to 5 years against any defects in workmanship.

*Note: UNICOM guarantees this product providing it is used in the manner for which it was intended. Damages caused by customer misuse. Abuse, and neglect will cause any implied or written guarantees to be null and void. *See "Terms and Conditions of Sates" for complete warranty.*

Congratulations!

You have just purchased a quality product from UNICOM, Electric, Inc. UNICOM has been committed to the design and manufacture of networking products for the data and voice communications industry since 1986.

UNICOM is also dedicated to the continuing development of modern communication technology. UNICOM has successfully developed a complete line of UTP (Unshielded Twisted-Pair) products for IBM Token Ring, 3X,AS/400, 3270, Ethernet, Hewlett Packard, AppleTalk, RS-232, DEC and other data communication systems.

You can be confident that your new UNICOM product is reliable. UNICOM products are 100% tested before shipment and backed by the industry's best *5 Year Warranty.*

A Network Systems Solution

UNICOM

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OVERVIEW

I. Overview

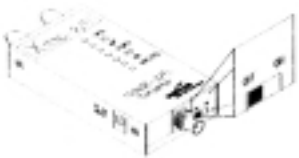
This booklet is designed as a guide for the easy installation of XTEND-2/FL, UNICOM's 10Base-2 to 10Base-FL Converter

The 10Base-2/FL Converter is designed to connect an existing 10Base-2 Thin Ethernet adapter card or 10Base-2 network to a 10Base-FL system. The converter repeats the signals from 10Base-2 to a suitable format for transmission over Fiber Optic cables to a 10Base-FL hub, workstation, transceiver or converter.

SWITCH

II. Thin Ethernet Terminator Switch

- ON - The "ON" position is set when the converter is placed at the end of the segment. See set-up, page 4.



- OFF - The "OFF" position is used when the converter is placed in the middle of the segment. See set-up, page 4.

LEDs

III. LED Indicators

- **LMON** 10Base-FL (dual ST port) Link Monitor Indicates correct 10Base-FL connection.
- **COL** Ethernet Collision Indicator constantly lit or blinking indicates a data collision.
- **XMT** 10Base-FL Data transmission indicator on or blinking indicates transmission through ST XMT port.
- **POWER** Power Indicator indicates when power is being receiving from the external power adapter.
- **RCV** 10Base-FL Data Reception Indicator on or blinking indicates transmission through the ST RCV port.
- **JAB** Ethernet Jabber Indicates that transmission has been interrupted to prevent corrupted data from being sent over the network.
- **BNC/RCV** Indicates data is being received from the BNC port when Constantly lit or blinking.

V. Troubleshooting

Symptom	Possible Cause	Solution
Power "OFF"	Bad power connection	Check external power adapter
LMON "OFF"	Bad Fiber connection	Check Fiber Optic cable
COL LED "ON"	Wrong Terminator setting	Check Terminator setting Check coaxial cable

Technical Hotline 1-800-346-6668

IV. Set-Up Procedures - 10Base-2 Connection

Example 1

- 10Base-FL Hub Connection.

Procedure

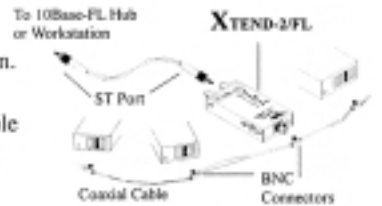
- Use an ST/ST duplex multimode fiber optic cable to connect the XTEND-2/FL to the 10Base-FL hub

Example 2

- 10Base-FL Transceiver or Converter Connection.

Procedure

- Use an ST/ST duplex multimode fiber optic cable to connect the XTEND-2/FL to another remote 10Base-FL converter or transceiver.



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SPECIFICATIONS

VI. Specifications

Standard	IEEE 802.3 10-Base-2, 10Base-FL standards
Interface	BNC connector for Thin Ethernet; Dual ST connector for 10Base-FL connection.
Cable Length	185 meters max. per Thin Ethernet Segment, 2,000 meters max. for Fiber Optic Cable.
Terminator Switch	Two position switch on BNC side (ON or OFF) for Thin Ethernet connection.
LED's	LMON, COL, XMT, POWER, RCV, JAB and BNC/RCV
Dimensions	4.2"x2.2"x0.8"
Power Adapter	9V DC input,1 Amp
EMI	Meets CE and FCC Class A subpart J of Part 15 Requirements

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REF: ETHERNET\MANUAL\X-TEND-2FL