XTEND –T/FL

10Base-T/FL Converter

ETP-20108 Installation Guide

A Network Systems Solution

UNICOM

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*.

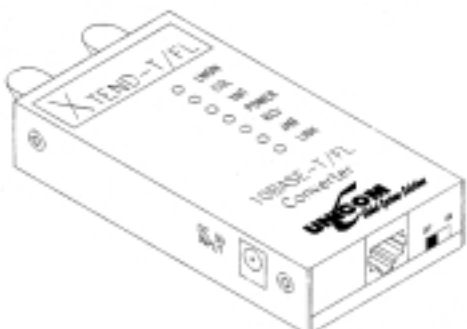
CONTENTS

OVERVIEW

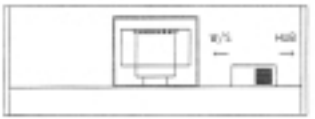
I. Overview

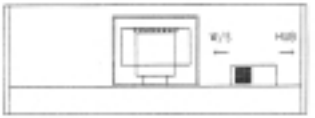
This booklet is designed as a guide for the easy installation of XTEND-T/FL, UNICOM's 10Base-T to 10Base-FL Converter.

The 10Base-T/FL Converter is designed to connect an existing 10Base-T Ethernet adapter card or 10Base-T network to a 10Base-FL device. The converter works by simply repeating the signals from 10Base-T to a suitable format for transmission over fiber cables to the 10Base-FL link.



II. Connection Switch





1=TX+
2=TX-
3=RX+
6=RX-

- Hub Connection - Set the 10Base-T switch to the "Hub" position for a 10Base-T Hub connection.
- Workstation Connection - Set the 10Base-T switch to the "W/S" position for a 10Base-T Workstation connection.

RJ-45 Pin Assignment for 10Base-T

Connection	RJ-45 Pin	Signal	Signal Direction
Hub	1	TX+	I/P
	2	TX-	I/P
	3	RX+	O/P
	6	RX-	O/P
Workstation	1	TX+	O/P
	2	TX-	O/P
	3	RX+	I/P
	6	RX-	I/P

III. LED Indicators

- **System LEDs**

  POWER The indicator is continuously "ON" while the converter is receiving external power.

  COL Indicates that a collision is talking place.

- **10 Base-T LEDs**

  LINK/RCV "ON" for correct 10 Base-T (hub or workstation) connection.
  "OFF" for incorrect 10Base-T connection.
  "Blinking" for 10Base-T port receiving data.

- **10Base-FL LEDs**

  LMON "ON" for correct connection on the fiber TX or RX port.

  XMT Indicates that data is being transmitted on the fiber output port.

  RCV Indicates that data is being received on the fiber input port.

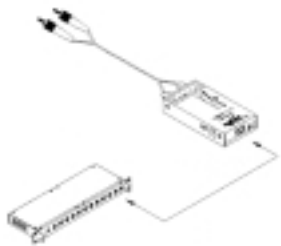
  JAB This indicator should be "OFF" most of the time. When it is "ON", the data transmission function is being interrupted to prevent the corrupted data from being sent over the network.

IV. Set-Up Procedures - 10Base-T

Procedure

- Connect the fiber optic cables between the two fiber devices (i.e. fiber transceivers or repeaters). The cable which is connected to the RX port on one device should be connected to the TX port on the other device. The opposite is true the second cable.

IV. Set-Up Procedures - 10Base-T

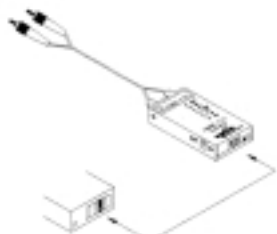


Example 1

- Hub Connection.

Procedure

- Set 10Base-T Switch to "Hub" position.
- Connect RJ-45 Jack with pin-to-pin patch cord.



Example 2

- Workstation Connection.

Procedure

- Set 10Base-T switch to "W/S" position.
- Connect the RJ-45 Jack with a pin-to-pin patch cord

V. Troubleshooting

Symptom	Possible Cause	Solution
Power LED not "ON"	Bad power connection	Check external power adapter
LINK LED not "ON"	- Wrong connection switch - Bad connection	-Check Connection switch setting -Check patch cord
LMON LED not "ON"	Wrong or incomplete fiber connection	Check fiber connection

Technical Hotline 1-800-346-6668

908 Canada Court
City of Industry, CA 91748 U.S.A.
e-mail: info@unicomlink.com
http: //www.unicomlink.com
Technical Support: 1-800-346-6668

REF: XTEND-T/FL-0895