Section I. Checklist, Installation

1. Checklist

Before installing your OvisLink VX 200s Fast Ethernet Media Converter, remove all contents from this shipping container and verify that this package contains the following items:

— OvisLink VX200s
— AC-DC Power Adapter
— This User's Manual

2. Overview

The OvisLink VX200s 100Mbps Fast Ethernet Media Converter meets all IEEE 802.3u standards. This converter is available in three models:

— VX200MSC: Multi mode SC fiber connector
— VX200MST: Multi mode ST fiber connector
— VX200SSC: Single mode SC fiber connector

Six LEDs allows instant status monitoring for Power, Fiber Error, FX Link, TX Link, FX Active, and TX Active.

3. Installing the Fast Ethernet Media Converter

- Connect the converter to the fiber and 100Base-TX network. For fiber cable, Tx/Rx wires must be paired at both ends. The UTP cable must be Category 5 type cable.
- Attach the power adapter DC jack to converter and plug the Adapter into the wall jack.
- TX and FX Link LEDs light up when cable connection is good and ACTIVE LEDs blink to indicate the traffic activity.

Section II. Wire Connection

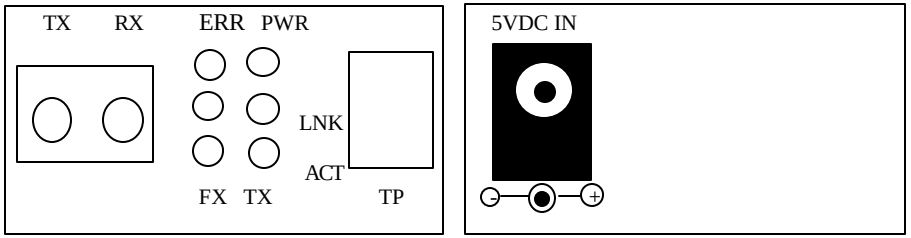

Fig. 1 OvisLink VX200s Media Converter Side Panel

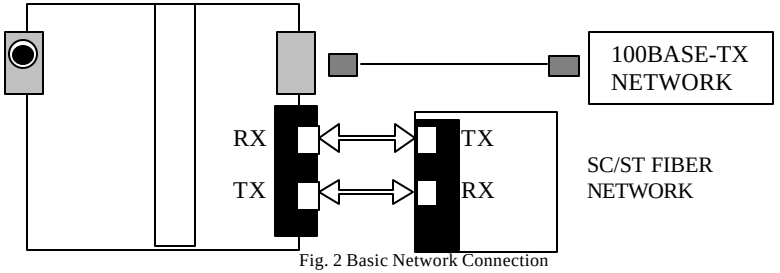

Fig. 2 Basic Network Connection

Note:

a. Wiring pin-outs for connections from the TX port:
   ⇒ To a workstation (DTE): 1, 2, 3, 6 to 1, 2, 3, 6 (straight-through cable)
   ⇒ To a Hub or Repeater (MPR): 1 to 3, 2 to 6, 3 to 1, 6 to 2 (crossover cable)

b. Full or half duplex mode is selectable and must match with the remote link device's mode

Section III. Specification

4. Technical Specifications

- **Standards:** IEEE802.3u Fast Ethernet 100Base-TX and 100Base-FX standards
- **Connectors (UTP and Fiber):**

— VX200MSC RJ-45 and SC connector (multi-mode)
— VX200MST RJ-45 and ST connector (multi-mode)
— VX200SSC RJ-45 and SC connector (single-mode)

- **LED:** PWR, FL Error, TX link, FX Link, TX Active, FX Active
- **Data Transfer Rate:** 100Mbps
- **Duplex Mode:** Full Duplex Mode
- **Power Requirement:** Max. 0.8A @ +5V
- **Ambient Temperature:** 0° to 50°C
- **Humidity:** 5% to 95% Relative.
- **Dimensions:** 2.8"W x 3.7"D x 1.05"H 26mmH x71mmW x97mmD
- **TP Cable:** Category 5 UTP cable
- **Fiber Cable:** 50/125, 62.5/125, or 100/140µm Multi-mode
  8.3/125, 8.7/125 or 10/125µm Single-mode

5. Cable Connection Parameter

100Base-X network allows 512-bit time delay between any two-node stations in a collision domain. The overall bit-time of TP/Fiber wires and devices must be within 512 bit in a segment. You may use switching hub to break up collision domain and extend the cabling distance.

- **Fiber Cable Limitations:**

Half-duplex (Multi-mode)	Node to Node:	412m
	Node to Switch Hub:	412m
Full-duplex (Multi-mode)	Node to Node:	2Km
	Node to Switch Hub:	2Km
Full-duplex (Single-mode)	Node to Node:	40Km
	Node to Switch Hub:	40Km

- **TP Cable Limitations:**

Half-duplex Or Full-duplex	Node to Node:	100m
	Node to Switch Hub:	100m

- Connecting to Router, Bridge, or Switch Hub, please refer to the device's Technical Manual

OvisLink VX200s

UTP-to-Fiber
Fast Ethernet Converter
User's Manual

Versions 2.0

OvisLink Technologies Corp
18543 E. Gale Ave.
City of Industry, CA 91748
Tel: (626)-854-1805
Fax: (626)854-0835
E-Mail: marketing@ovislink.com
www.ovislink.com