![VERSITRON logo]

M727xSA
10/100Base
Ethernet Media Converter
User's Manual v3.0

Brief Introduction:

Thank you for purchasing the M727xSA 10/100Base Ethernet media converter. This product supports IEEE802.3U 100Base-Tx/Fx protocol, as well as full duplex and half duplex mode. The following manual is for your reference.

Packing List:

Please check the following items in the package before installing the media converter.

- M727xSA 10/100M Ethernet media converter
- 5VDC Power Adaptor

Please contact VERSITRON immediately if any of the above items are missing or damaged.

Installation:

1. Interface

- The RJ-45 connector supports 10/100Mbps transmission speed over Cat5 twisted-pair with typical lengths of 100 meters. In addition, the RJ-45 connector supports MDI/MDI-X for straight-through or cross-over cables.

- The fiber port supports duplex and simplex 100Base fiber connections with ST or SC connectors. When connecting the fiber in a duplex application, be sure that the transmitter (TX) on one end of the fiber is connected to the receiver (RX) on the other end of the fiber.

2. Connection

The network device (work station, hub or switch) with an RJ-45 interface is connected to the RJ-45 jack of the M727xSA using a Cat5 cable. And the multi-mode or single-mode fiber is connected to ST or SC fiber connector. Apply power to the M727xSA.

Figure 1 Front Panel

Figure 2 Rear Panel

Explanation for LED indicator lamps:

LED indicator lamps serve as device monitoring and trouble display. The following is the explanation for each LED indicator lamp.

LED	Status	Explanation
FX	On	Indicates fiber link is connected properly
Link/Act	Blink	Indicates packet transmission through Fx port
TX	On	Indicates copper link is connected properly
Link/Act	Blink	Indicates packet transmission through Tx port
FX FDX	On	Working in full-duplex mode
	Off	Working in half-duplex mode
PWR	On	Power is on and normal.
FX 100	On	Optical signal detected on fiber port
TX 100	On	100Mbps on Tx port
	Off	10Mbps on Tx port

Main features:

1. IEEE 802.3 10 Base-T standard.
   IEEE 802.3u 100 Base-TX/FX standard.
2. Built in 2M buffer memory.
3. Back pressure flow control for full duplex IEEE802.3X and half duplex.
4. Automatic identification of MDI/MDI-X.
5. Supports link fault pass through function (LFP).
6. Supports far end fault function.
7. Built in a watchdog timer to monitor internal switch error.
8. Power from power adapter or USB port.
9. Rack-mountable with MCC-14R chassis.
10. DIP switches for manual configuration.
11. FCC and 15 CLASS A and CE MARK.

Technical parameters:

1. Connector: one RJ-45 connector, one ST or SC connector.
3. Operation mode: full duplex mode or half duplex mode
4. Power supply parameter: 110-265VAC, 5-12VDC, 1A output.
5. Environmental Temperature: 0° - 60° C
6. Relative Humidity: 5% - 90%
7. Cable Types:
   TP – Cat5 UTP
   Multi-Mode: 50/125 or 62.5/125
   Single-Mode: 9/125
8. Dimensions: 3.70 x 2.79 x 1.02 Inches

Cautions:

1. This product is suitable for indoor applications.
2. Use dust cover for fiber interface when not used.
3. Do not look into the fiber optic transmitter with naked eye.
4. Single-fiber converters must be used in pairs.

DIP Switch Settings:

DIP 1 OFF = Fiber port is set to Full-Duplex mode *

DIP 1 ON = Fiber port is set to Half-Duplex mode

DIP 2 OFF = Link Fault Pass Through alarm is OFF *

DIP 2 ON = Link Fault Pass Through is ON

DIP 3 OFF = Copper port is set to 100Mbps *

DIP 3 ON = Copper port is set to 10Mbps

DIP 4 OFF = Copper port is set to Full-Duplex mode *

DIP 4 ON = Copper port is set to Half-Duplex mode

* Factory Default

NOTE:

Power down unit prior to changing the DIP Switch Settings.