

M7260A
10/100/1000Base
Ethernet Media Converter
User's Manual

Rev. C

Brief Introduction:

Thank you for purchasing the M7260A 10/100/1000Base Ethernet media converter. This product supports IEEE802.3U IEEE802.3z 1000Base-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.

- M7260A 10/100/1000Base Ethernet media converter
- Power Adaptor
- USB Power Cable

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

Installation:

1. Interface

The RJ-45 connector supports 10/100/1000Mbps transmission speeds 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 1000Base fiber optic SFP modules with LC connectors which are sold separately.

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. For simplex fiber applications this is not applicable.

2. Connection

The network device (work station, hub or switch) with an RJ-45 interface is connected to the RJ-45 jack of the M7260A using a Cat5 cable. And the multi-mode or single-mode fiber is connected to LC fiber connector on the SFP module. Apply power to the M7260A.



Figure 1 - M7260A Front Panel

LED Indicators:

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

LED	Status	Explanation
FX	ON	“ON” indicates proper fiber connection
	BLINK	“Blink” indicates traffic on port
FDX	ON	Operating in the full duplex mode
	OFF	Operating in the half duplex mode
TX	ON	“ON” indicates proper copper connection
	BLINK	“Blink” indicates traffic on port
1000	ON	1000Mbps communication on RJ-45
100	ON	100Mbps communication on RJ-45
PWR	ON	Power is on and normal

DIP Switch Settings:

The following is the explanation for each DIP Switch.

DIP	SETTING	DESCRIPTION
SW 1	ON	Link Fault Alarm Enabled
	OFF	Link Fault Alarm Disabled (Default)
SW 2	ON	Pass Through Mode
	OFF	Smart Pass Through Mode (Default)
SW 3	ON	Modified Cut Through Mode
	OFF	Store and Forward Mode (Default)
SW 4		Reserved

Main Features:

1. IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE802.3z, IEEE802.3ab standards.
2. Half-Duplex: back pressure flow control
Full-Duplex: IEEE802.3x flow control
3. Automatic identification of MDI/MDI-X.
4. FCC and 15 CLASS A and CE MARK.

Technical Parameters:

1. Connector: one RJ-45 connector, one SFP connector.
3. Operation mode: full duplex mode or half duplex mode
4. Power supply parameter: 110-265V AC, 5V 2A DC output.
5. Environmental Temperature: -10° - 55° 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.

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