

XM3017M Series

8 to 17 ports Modulized 10/100Base Fast Ethernet Switches



Overview

EtherWAN presents an elegant way to migrate from copper cabling to fiber optic connectivity. XM3017M consists of three slots for TX or FX modules: one for single-port M100 Series Modules, and two for 8-port M800M Series Modules. The XM3017M provides a means for enterprise networks to transition between copper and fiber optic cabling. EtherWAN offers an extensive array of M800M modules with fiber optic and copper port combinations to provide a very flexible product. XM3017M allows for both Multi-Mode and Single-Mode fiber connections

Features

- ▶ Port speed configuration, port duplex modes configuration, Port-based VLAN, and MAC-based Trunking setting through the female DB9 RS-232 Serial Console Port
- ▶ 12288 MAC addresses
- ▶ 2M bytes buffer memory
- ▶ 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- ▶ Full wire-speed forwarding rate
- ▶ 100 ~ 240VAC, 50 ~ 60Hz Internal Universal PSU
- ▶ 0°C to 45°C (32°F to 113°F) operating temperature range
- ▶ Metal case
- ▶ Supports Rack Mounting installation

Specifications

Technology

Standards:

- IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/100Base-FX, IEEE802.3x

Forward and Filtering Rate:

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

Packet Buffer Memory:

- 4M bits

Processing Type:

- Store-and-Forward
- Half-duplex back-pressure and IEEE802.3x full-duplex flow control

Address Table Size:

- 8192 MAC addresses

Latency:

- Less than 27 μ s

Power

Input:

- 100 ~ 240VAC, 50 ~ 60Hz Internal Universal PSU

Power Consumption:

- 52W Max.

Mechanical

Casing:

- Metal case

Dimensions:

- 440mm (W) x 285mm (D) x 44mm (H)
(17.32" (W) x 11.22" (D) x 1.73" (H))
Standard 19" rack-mount size, one-unit-height

Weight:

- 3.4Kg (7.48lbs.)

Installation:

- Rack Mounting

Environment

Operating Temperature:

- 0°C to 45°C (32°F to 113°F)

Storage Temperature:

- -10°C to 70°C (14°F to 158°F)

Ambient Relative Humidity:

- 10% to 90% (non-condensing)

Interface

LED Indicators:

- Per Unit: Power Status (Power)
- Per Port: 8-port module: Link/Activity, Full-duplex/Collision
1-port module: Link/Activity, Full-duplex

1-PORT MODULE

Designation	Typical Distance*	Nominal Wavelength	Cable Type	Connector	Optical Budget
100Base-FX	2 Km	1310 nm	62.5/125 MM	ST	12 dB
100Base-FX	2 Km	1310 nm	62.5/125MM	SC	12 dB
100Base-FX	20 Km	1310 nm	10/125 SM	SC	17 dB

Non-Hardened Unmanaged Switches

8-PORT MODULE

Designation	Typical Distance*	Nominal Wavelength	Cable Type	Connector	Optical Budget
100Base-FX	2 Km	1310 nm	62.5/125 MM	ST	12 dB
100Base-FX	2 Km	1310 nm	62.5/125 MM	SC	12 dB
100Base-FX	20 Km	1310 nm	10/125 SM	SC	17 dB
100Base-FX	20 Km	TX: 1310 nm RX: 1550 nm	10/125 SM	SC	17 dB
100Base-FX	20 Km	TX: 1550 nm RX: 1310 nm	10/125 SM	SC	17 dB

Regulatory Approvals:

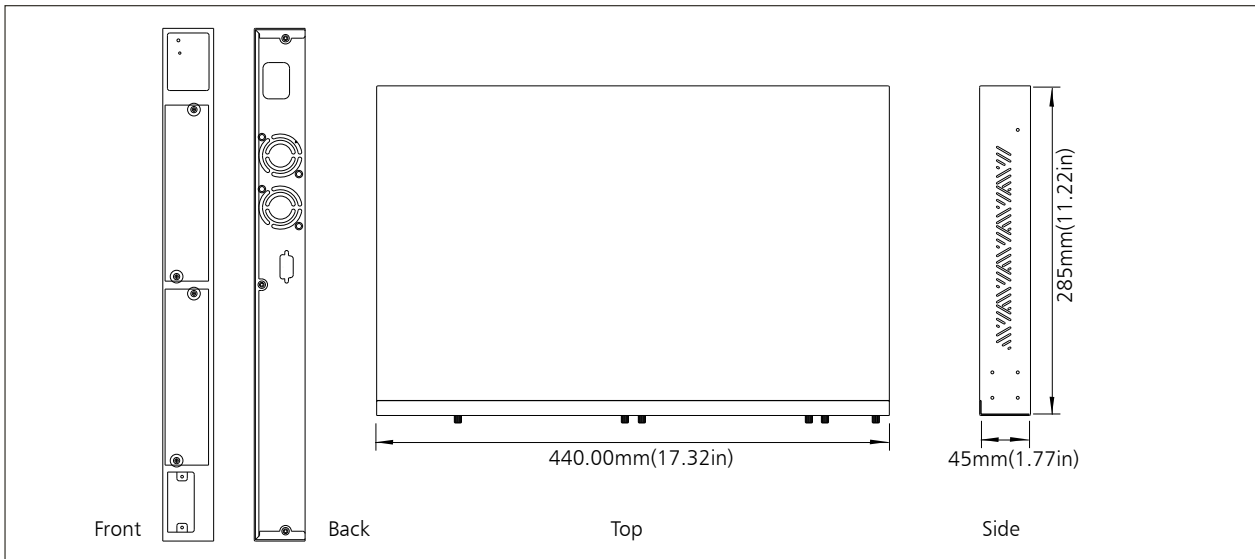
ISO:

- Manufactured in an ISO9001 facility

Emission Compliance:

- CE Mark Class A, FCC Part 15 Class A

Diagrams



Ordering Information

XM3017M	2 slots for M800M Series Modules + 1 slot for M100 Series Modules
M800M Series Modules:	
TX808M	8-port 10/100Base-TX (RJ-45) Module
FT826M	6-port 10/100Base-TX (RJ-45) + 2-port 100Base-FX Multi Mode (ST) Fiber Module
FC826M	6-port 10/100Base-TX (RJ-45) + 2-port 100Base-FX Multi Mode (SC) Fiber Module
FT844M	4-port 10/100Base-TX (RJ-45) + 4-port 100Base-FX Multi Mode (ST) Fiber Module
FC844M	4-port 10/100Base-TX (RJ-45) + 4-port 100Base-FX Multi Mode (SC) Fiber Module
FT880M	8-port 100Base-FX Multi Mode (ST) Fiber Module
FC880M	8-port 100Base-FX Multi Mode (SC) Fiber Module
M100 Series Modules:	
TX100	1-port 10/100Base-TX (RJ-45) Module
FT100	1-port 100Base-FX Multi Mode (ST) Fiber Module
FC100	1-port 100Base-FX Multi Mode (SC) Fiber Module

* SC fiber also available in Single Mode, 15/40/75/100/120Km

* SC fiber also available in Single Mode WDM Type A and Type B, 20/40Km

* ST fiber also available in Single Mode, 20Km

**All items include Rackmounting bracket (black)

Optional Accessories:

- KR-AE612-400: Rack mount kit (black)



Ethernet
Switches

1

Serial
Servers

2

Media
Converters

3

Others

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