UPCOM

Ethernet Media Converters   MC102M

◆ **2-port 10/100M Managed Ethernet Media Converter**

➢ Features

- Support Tag-VLAN, Port-VLAN(VLAN File 12 bits, and VLAN IDs 4096)
- Support 10/100Base TX to 100Base FX,
- can be connected to relational networking equipments
- With 128Kb RAM
- Support Automatic Switch between parallel lines and crossed lines
- With LED Lamps function (link/activity,10/100M,power)
- Support select working-mode via Hyper terminal
- The transmission distance can up to 120Km.
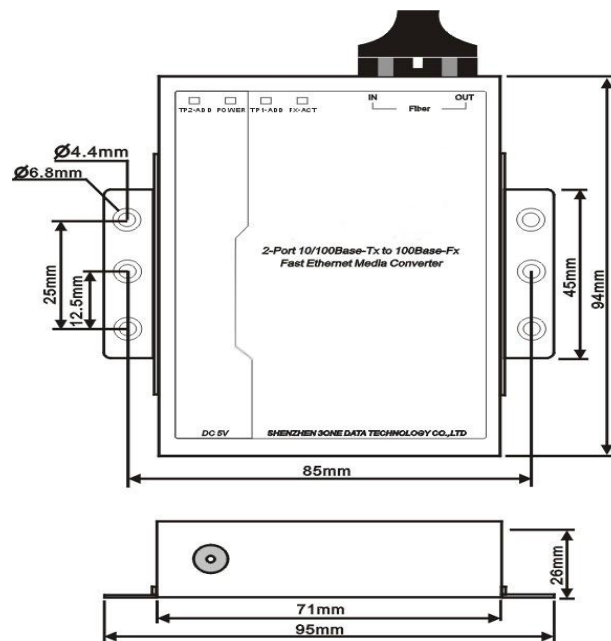
➢ Introduction

MC102M complies with IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.1q Standards. It is designed to convert data signal between 10/100 Base-TX and 100Base-FX fast Ethernet. It supports 10/100Base-TX and 100Base-FX applications. The data signal converted by such high performance media converter can be transmitted up to 120Km maximum by fiber-optical cable. The Converter is equipped one optic port and two RJ45 Jacks and one external power supply receptacle, and provide one console port(RJ45) to configure the VLAN by using the command. Four LED indicators are built-in for easy diagnosing and monitoring the status . It can be configured automatically for Full Duplex or Half Duplex operation.

➢ Specification

Technology	
Standards Compliance	IEEE 802.1Q VLAN(VLAN File 12 bits, and VLAN IDs 4096)
	IEEE 802.3 10Base-T specification
	IEEE 802.3u 100Base-TX specification
	IEEE 802.3x full-duplex flow control specification
	IEEE 802.1p QOS
Network Interface	
10 /100Base-TX	
Connectors	RJ-45
Auto-Negotiation	Auto-MDIX
Transmission	Full/Half-Duplex
Max. Cable Length	up to 100m
100Base-FX (Multi mode)	
Connectors	SC / ST / LC
Transmission	Full/Half-Duplex
Max. Cable Length	2Km for 62.5/125mm
Wavelength	1310nm
100Base-FX (Single mode)	
Connectors	SC / Bidi-SC / Bidi-SFF

Transmission	Full/Half-Duplex
Max. Cable Length	100Km for 9/125μm
Wavelength	1310nm or 1550nm
Power supply, Environment, Dimension	
Power Requirement	0.8A @+5VDC
Power Consumption	4W
Ambient Temperature	0 °to 50 ℃
Humidity	5% to 90%
L×W×H	94.0mm×70.6mm×26.0mm(Power External)
Warranty	5 years

➤ Dimension

➤ Ordering Information

Model NO.	Description
MC102M-M-2	multi-mode, 2Km, 5VDC, SC, FC or ST, optional, managed
MC102M-S-20	single-mode, 20Km,5VDC, SC, FC or ST, optional, managed
MC102M-S-40	single-mode, 40Km, 5VDC, SC, FC or ST, optional, managed
MC102M-S-60	single-mode, 60Km, 5VDC, SC, FC or ST, optional, managed
MC102M-S-80	single-mode, 80Km, 5VDC, SC, FC or ST, optional, managed
MC102M-S-100	single-mode, 100Km,5VDC, SC, FC or ST, optional, managed
MC102M-S-120	single-mode, 120Km, 5VDC, SC, FC or ST, optional, managed
MC102M-SS-20	single-mode, single fiber, 20Km, 5VDC, SC, FC or ST, optional, managed
MC102M-SS-40	single-mode, single fiber, 40Km, 5VDC, SC, FC or ST, optional, managed
MC102M-SS-60	single-mode, single fiber, 60Km, 5VDC, SC, FC or ST, optional, managed
MC102M-SS-80	single-mode, single fiber, 80Km, 5VDC, SC, FC or ST, optional, managed

➢ Manageble functions

View manageable system supports full range of standards such as HTTP,SNMP,TFTP,TELNET ···etc . The system has proper interface for each.

1. Support WEB based management

Our manageable system supports the management based on WEB.   It is easy to be understood and used, no need install special software, so that it is easier for the users.

2. Support SNMP management

Fully support SNMP, the users can manage the relational devices via any operating system, such as HP-OpenView .

3. Support Console management when emergency

Support local command-string management via Console port , the users can manage the devices via other networks such as Telephone System , in case the Ethernet networks failed .

4. Support TELNET

5. The software can be upgraded online via TFTP.

➢ Packing List

- MC102M series Ethernet Media Converter×1
- 5VDC power adapter ×1(Media converter/5VDC, power external)
- User manual ×1