4-port 10/100M Base-T(X) + 1-port 100M FX

➢ Features

- Support 4-port 10/100M Base-T(X)+1-port 100M FX;
- Accord to IEEE802.1 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3 100Base-FX;
- Support MDI/MDI-X auto negotiation, 10M/100M adaptive；
- Support flow control;
- Supports full /half duplex, Point-to-point transparent transmission;
- Support non-blocking wire-speed forwarding;
- Plug-and-play, no configuration is required;
- LED indicators for easy diagnosis and monitoring work status;
- Support External power 5VDC input;
- Support 0-50°C wide operating temperature range;
- Low power consumption, No fan, Metal casing;
- Support stand-alone or wall Installation;
- FCC Class A & CE approved, RoHS compliance;
- Warranty:3years

➢ Introduction

MC104 Ethernet Media Converter, also known as Fiber Optic Media Converter, is a network device that transparently converts data between short-distance electrical signals and long-distance fiber optic signals, plug-and-play, no configuration required, can be operated at wide temperatures range from 0 to 50°C.

UPCOM MC104 Fiber Optic Media Converter support 4-port 10/100M Base-T(X)+1-port 100M FX, adopts durable metal housing, external DC5V, is a flexible and cost-effective solution that can extend transmission distances to 120km through a single-mode fiber, protecting data from noise and electromagnetic interference.

MC104 is ultra-small in size, with shielded RJ45 Ethernet jack, optional SC/ST/FC fiber-optic connector. Built-in auto-sensing function supports full or half-duplex Ethernet operation, widely used in MAN (metropolitan area network), security monitoring, intelligent transportation and other applications.

MC104 series supports stand-alone installation, can realize the interconnection between repeaters, hubs, switches, terminals. all photoelectric interfaces conform to international standards, and the products are suitable for different harsh industrial environments. The installation and operating procedures of the Fiber Optic Media Converter are simple and straightforward. Operation status can be monitored through a set of Diagnostic LED located on the front panel, including single-mode and multi-mode transmission modes, the multi-mode can transmit 2km, single-mode can reach up to 120km.

➢ Specification

Specification	
Product Name	4-port 10/100M Base-T(X)+1-port 100M FX Ethernet Media Converter
Product Model	MC104
Port Definition	4-port 10/100M Base-T(X)+1-port 100M FX
Standards	IEEE802.1 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3 100Base-FX
RJ45 port rate	10/100Mbps auto negotiation
Optic port rate	100Mbps
Working Mode	Asynchronous, point to point
Transmission mode	Half/Full duplex
Forwarding Mode	Store and Forward(Full Wire Speed)
Transfer distance	
RJ45port	100m
Fiber optic	20,40,60,80,100,120km(SM),2 km(MM) optional
RJ45 port cable	UTP 5E
Fiber connector	SC, ST, FC optional
Fiber optic cables	Single Mode:8.3/125,8.7/125,9/125 or 10/125μm Muti-Mode:50/125,62.5/125μm
Wavelength	850nm,1310nm,1550nm
Power	
Power supply	External 5VDC/1A
Consumption	<3W
Working Environment	
Operating Temperature	0-50ºC
Storage temperature	-40°C to 70°C
Ambient Humidity	5%~95% (non-condensing)
MTBF	≥10.0000h
Physical Characteristics	
Shell	Iron
Dimension	110mm*70.5mm*26.5mm
Weight	500g(power external)
Installation	Stand alone
Warranty	
Warranty	3 Years
Certification	CE, FCC, RoHS

➢ Application
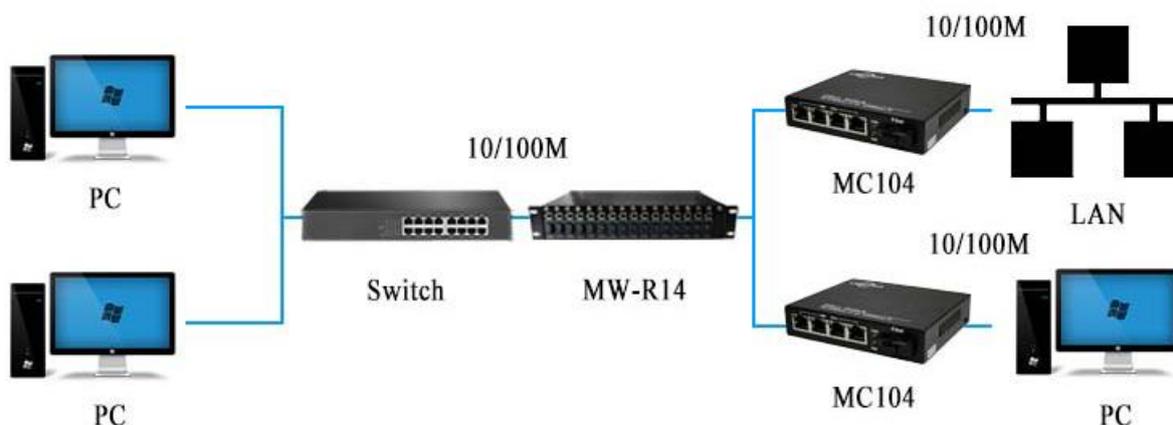
➢ Ordering Information

Model NO.	Description
MC104-M-2	4-port 10/100M Base-T(X)+1-port 100M FX, Multi-mode, 2Km, 5VDC, SC/FC/ST optional
MC104-S-20	4-port 10/100M Base-T(X)+1-port 100M FX, Single-mode, 20Km, 5VDC, SC/FC/ST optional
MC104-S-40	4-port 10/100M Base-T(X)+1-port 100M FX, Single-mode, 40Km, 5VDC, SC/FC/ST optional
MC104-S-80	4-port 10/100M Base-T(X)+1-port 100M FX, Single-mode, 80Km, 5VDC, SC/FC/ST optional
MC104-S-120	4-port 10/100M Base-T(X)+1-port 100M FX, Single-mode, 120Km, 5VDC, SC/FC/ST optional

➢ Packing List

- Ethernet Media Converter *1
- DC5V/1A power supply *1
- User manual * 1
- Certificate of quality * 1
- Warranty card * 1