

## 1-port 10/100/1000M Base-T(X) + 1-port 1000M FX

### ➤ Features

- Accord to IEEE802.1 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TX, IEEE802.3z 1000Base-SX/LX;
- Support MDI/MDI-X auto negotiation, 10M/100/1000M 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;
- Can insert to 2U 19", 14 slots Rackmount chassis;
- FCC Class A & CE approved, RoHS compliance;
- Warranty:3years



### ➤ Introduction

MC201 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 MC201 Fiber Media Converter support 1-port 10/100/1000M Base-T(X)+1-port 1000M 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.

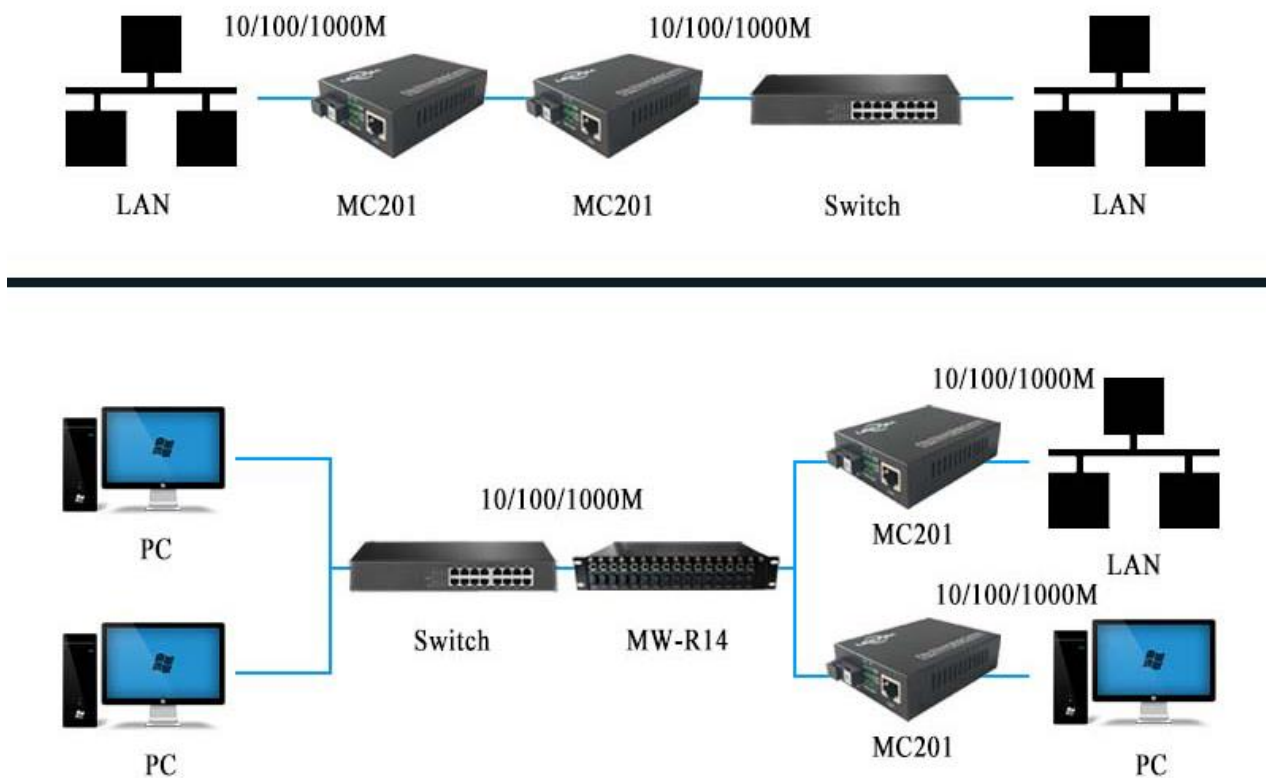
MC201 is ultra-small in size, with shielded RJ45 Ethernet jack, optional SC/ST/FC fiber-optic connector. Built-in auto-sensing function supports full or half-duplex Ethernet operation, widely used in MAN (metropolitan area network), security monitoring, intelligent transportation and other applications.

MC201 supports stand-alone installation, and can also be inserted into a 2U, 19",14 slots Rack-mount Chassis, with built-in LED indicators for easy diagnosing and monitoring status. including single-mode, multi-mode transmission modes, multi-mode can transmit 2km, single-mode can reach up to 120km.

## ➤ Specification

<b>Specification</b>	
Product Name	1-port 10/100/1000M Base-T(X)+1-port 1000M FX Ethernet Media Converter
Product Model	MC201
Port Definition	1-port 10/100/1000M Base-T(X)+1-port 1000M FX
Standards	IEEE802.1 10Base-T, IEEE802.3u 100Base-TX,IEEE802.3ab 1000Base-TX, IEEE802.3z 1000Base-SX/LX
RJ45 port rate	10/100/1000Mbps auto negotiation
Optic port rate	1000Mbps
Working Mode	Asynchronous, point to point
Transmission mode	Half/Full duplex
Forwarding Mode	Store and Forward(Full Wire Speed)
<b>Transfer distance</b>	
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
<b>Power</b>	
Power supply	External 5VDC/1A
Consumption	<3W
<b>Working Environment</b>	
Operating Temperature	0-50°C
Storage temperature	-40°C to 70°C
Ambient Humidity	5%~95% (non-condensing)
MTBF	≥10.0000h
<b>Physical Characteristics</b>	
Shell	Iron
Dimension	94mm*70.5mm*26.5mm
Weight	390g(power external)
Installation	Desktop, 2U-14 slot rack-mount Chassis
<b>Warranty</b>	
Warranty	3 Years
Certification	CE, FCC, RoHS

## ➤ Application



## ➤ Ordering Information

Model NO.	Description
MC201-M-2	1-port 10/100/1000M Base-T(X)+1-port 1000M FX, Multi-mode, 2Km, 5VDC, SC/FC/ST optional
MC201-S-20	1-port 10/100/1000M Base-T(X)+1-port 1000M FX, Single-mode, 20Km, 5VDC, SC/FC/ST optional
MC201-S-40	1-port 10/100/1000M Base-T(X)+1-port 1000M FX, Single-mode, 40Km, 5VDC, SC/FC/ST optional
MC201-S-80	1-port 10/100/1000M Base-T(X)+1-port 1000M FX, Single-mode, 80Km, 5VDC, SC/FC/ST optional
MC201-S-120	1-port 10/100/1000M Base-T(X)+1-port 1000M FX, Single-mode, 120Km, 5VDC, SC/FC/ST optional
MC201-SS-20	1-port 10/100/1000M Base-T(X)+1-port 1000M FX, Single-mode, Single fiber, 20Km, 5VDC, SC/FC/ST
MC201-SS-40	1-port 10/100/1000M Base-T(X)+1-port 1000M FX, Single-mode, Single fiber, 40Km, 5VDC, SC/FC/ST
MC201-SS-80	1-port 10/100/1000M Base-T(X)+1-port 1000M FX, Single-mode, Single fiber, 80Km, 5VDC, SC/FC/ST

## ➤ Packing List

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