



◆ 10/100/1000M Ethernet Media Converter

➤ Features

- Accord to IEEE802.1 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TX, IEEE802.3z 1000Base-SX/LX
- MDI/MDI-X auto negotiation, 10M/100M/1000M auto negotiation
- Supports full /half duplex, Point-to-point transparent transfer
- Power External 5VDC input
- Plug-and-play, easy to installation
- High-performance 1.25Gbps bandwidth.
- Complies with FCC, 15 CLASS A ,RoHs and CE MARK
- Can insert to 2U 19", 14 slots Rackmount(power external)



➤ Introduction

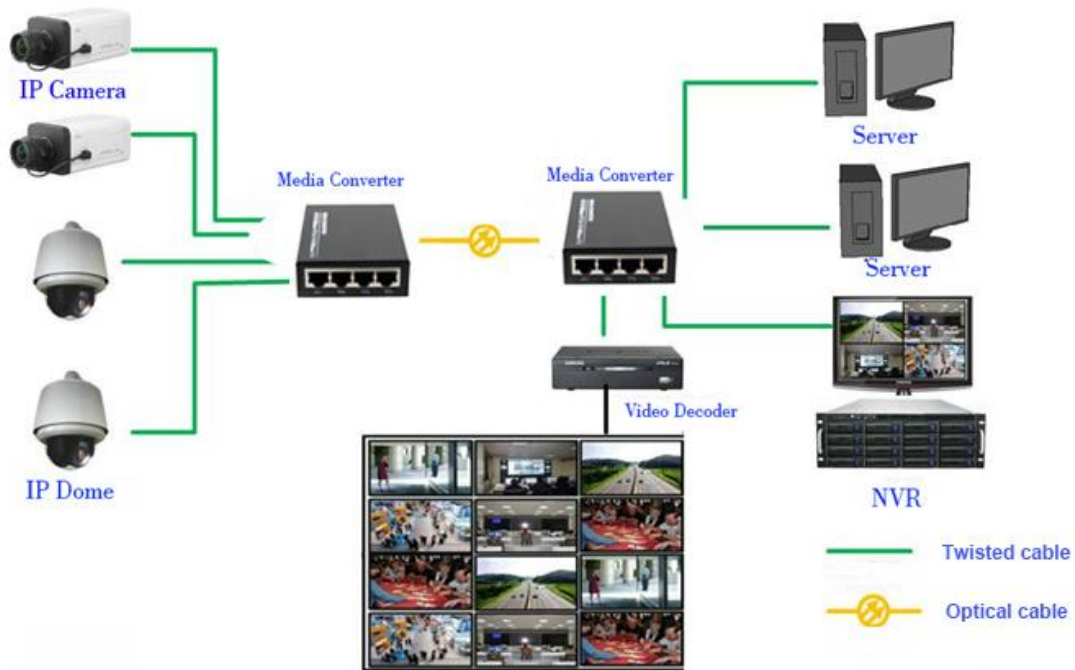
MC201, 10/100/1000Mbps adaptive Gigabit Ethernet fiber converter uses the switching technology to conduct media conversion, which meets the standards of IEEE802.3, IEEE802.3u, IEEE802.3z and IEEE802.3ab. This kind of media converter supports two types of media network connections: 10Base-T/100Base-TX/1000Base-T and 1000Base-SX/LX. MC201 can conduct mutual conversion between 10Base-T/100Base-TX/1000Base-T twisted pair electrical signals and 1000Base-SX/LX optical signals. This media converter extends the transmission distance of a network from 100m over copper wires to 20 Km. This media converter supports transmission in dual-fiber multi-mode, dual-fiber single-mode, single-fiber single-mode, SC/ST/FC style fiber-optic connections.

➤ Specification

Interface	
Standards	comply with IEEE802.1 10Base-T, IEEE802.3u 100Base-TX, IEEE 802.3ab 1000Base-TX, IEEE802.3z 1000Base-SX/LX standards
RJ45 port rate	10/100/1000Mbps auto negotiation
Optic port rate	1000Mbps
Working mode	Asynchronous, point to point, full/half duplex
RJ45port	Transfer distance :100m
Fiber optic	20,40,60,80,100,120km(SM), 550m(MM) optional
RJ45 port cable	UTP 5E
Fiber connector	SC, ST, FC optional
Fiber optic cables	Single Mode:8.3/125,8.7/125,9/125or 10/125 um, Muti-Mode:50/125,62.5/125 um
Wavelength	850nm, 1310nm,1550nm
Power	
Power supply	External 5VDC input
Consumption	4W
Operating temp	-25 °C to50 °C

Storage temperature	-35 ℃ to 70 ℃
Operating humidity	5% to 95%(no condensation)
Dimensions	110×70×25mm(Power External)
Shell	Iron
Color	Black
Weight	180g(power external)
Warranty	3 years
Approvals	FCC,CE, RoHS approval

➤ Application



➤ Ordering Information

Model NO.	Description
MC201-M-2	multi-mode, 2Km, 5VDC, SC, FC or ST, optional
MC201-S-20	single-mode, 20Km,5VDC, SC, FC or ST, optional
MC201-S-40	single-mode, 40Km, 5VDC, SC, FC or ST, optional
MC201-S-60	single-mode, 60Km, 5VDC, SC, FC or ST, optional
MC201-S-80	single-mode, 80Km, 5VDC, SC, FC or ST, optional
MC201-S-100	single-mode, 100Km,5VDC, SC, FC or ST, optional
MC201-S-120	single-mode, 120Km, 5VDC, SC, FC or ST, optional
MC201-SS-20	single-mode, single fiber, 20Km, 5VDC, SC, FC or ST, optional
MC201-SS-40	single-mode, single fiber, 40Km, 5VDC, SC, FC or ST, optional
MC201-SS-60	single-mode, single fiber, 60Km, 5VDC, SC, FC or ST, optional
MC201-SS-80	single-mode, single fiber, 80Km, 5VDC, SC, FC or ST, optional

➤ Packing List

- MC201 series Ethernet Media Converter ×1
- 5VDC power adapter ×1(Media converter/5VDC, power external)
- User manual ×1