



◆ 2-port 10/100M Ethernet Media Converter

➤ Features

- Accord to IEEE802.1 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3 100Base-FX
- MDI/MDI-X auto negotiation, 10M/100M auto negotiation
- Supports full /half duplex, Point-to-point transparent transfer
- Power External 5VDC input
- Plug-and-play, easy to installation
- High-performance 155Mbps bandwidth.
- Complies with FCC, 15 CLASS A ,RoHs and CE MARK
- Can insert to 2U 19", 14 slots Rackmount(power external)



➤ Introduction

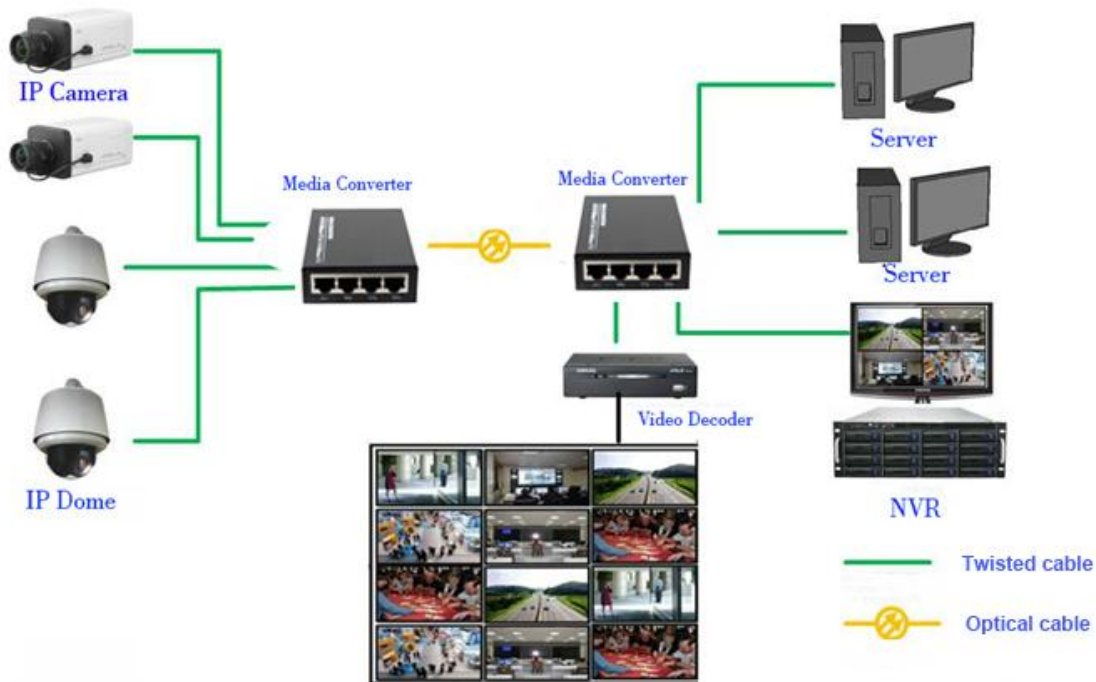
MC102 complies with IEEE802.3, IEEE802.3u, IEEE802.3x Standards. It is designed to convert data signal between 10/100 Base-TX and 100Base-FX fast Ethernet. It supports 10/100Base-TX and 100Base-FX applications. The data signal converted by such high performance media converter can be transmitted up to 120Km maximum by fiber-optical cable. The Converter is equipped one optic port and two RJ45 Jacks and one external power supply receptacle. LED indicators are built-in for easy diagnosing and monitoring the status of. It can be configured automatically for Full Duplex or Half Duplex operation.

➤ Specification

Interface	
Standards	comply with IEEE802.1 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3 100Base-FX
RJ45 port rate	10/100Mbps auto negotiation
Optic port rate	100Mbps
Working	Asynchronous, point to point
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 10/125 um, Muti-Mode:50/125,62.5/125 um
Wavelength	850nm,1310nm,1550nm
Power	
Power supply	External 5VDC input
Consumption	4W
Environment	
Operating temperature	-25 ℃ to50 ℃
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 approvals

➤ Application



➤ Ordering Information

Model NO.	Description
MC102-M-2	multi-mode, 2Km, 5VDC, SC, FC or ST, optional
MC102-S-20	single-mode, 20Km,5VDC, SC, FC or ST, optional
MC102-S-40	single-mode, 40Km, 5VDC, SC, FC or ST, optional
MC102-S-60	single-mode, 60Km, 5VDC, SC, FC or ST, optional
MC102-S-80	single-mode, 80Km, 5VDC, SC, FC or ST, optional
MC102-S-100	single-mode, 100Km,5VDC, SC, FC or ST, optional
MC102-S-120	single-mode, 120Km, 5VDC, SC, FC or ST, optional
MC102-SS-20	single-mode, single fiber, 20Km, 5VDC, SC, FC or ST, optional
MC102-SS-40	single-mode, single fiber, 40Km, 5VDC, SC, FC or ST, optional
MC102-SS-60	single-mode, single fiber, 60Km, 5VDC, SC, FC or ST, optional
MC102-SS-80	single-mode, single fiber, 80Km, 5VDC, SC, FC or ST, optional

➤ Packing List

- MC102 series Ethernet Media Converter×1
- 5VDC power adapter ×1(Media converter/5VDC, power external)
- User manual ×1