

Rev	Date	Modified by	Description
A0	2023		

## Product Specifications

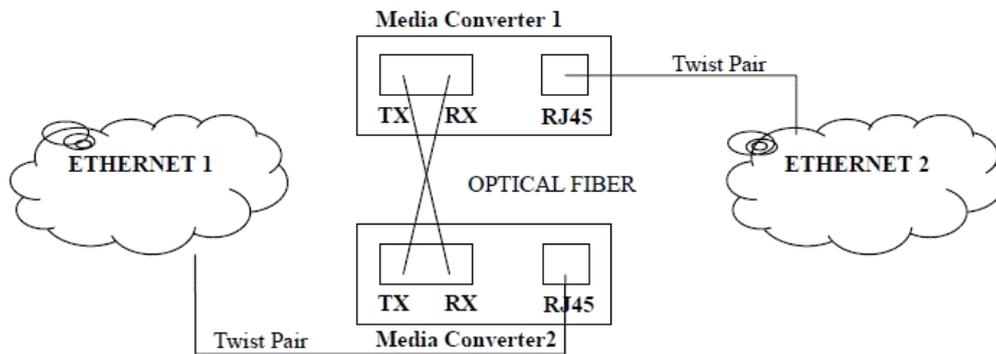
### Fiber Media converter

#### Features

- In conformity to IEEE802.3 10base-T, IEEE802.3u 100 base-TX/FX, IEEE802.3ab 1000 base-T, IEEE802.3z, 1000base-SX/LX, IEEE802.1a.
- Hot Plug-gable & Wall-Mountable.
- Stable performance more than 50thousand hours with fault-free.
- Unique IC solution applied.
- Supports 10/100/1000Mbps full/half duplex, easy upgrades.
- Auto MDI/MDI-X.
- Auto Negotiation.
- Support flow control.
- Concentrated into EF16-D220(16slot for media converter cards) or EF14-D220(14slot for media converter standalone type) 2U rack-mount chassis.
- Stable performance more than 50 thousands hours with fault-free.
- In conformity with safety code of FCC, CE and RoHS.

#### Applications

- Extend your Ethernet connection up to 0~120km away using fiber optics
- Creates an economical Ethernet-fiber/copper-fiber link for connecting remote sub-networks to larger fiber optic networks/backbones
- Converts Ethernet to fiber, fiber to copper/Ethernet, ensuring optimum network scalability for connecting two or more Ethernet network nodes (e.g. connecting two buildings on the same campus)
- Designed to provide high-speed bandwidth for demanding large scale work groups that require expansion of Gigabit Ethernet Network



## Description

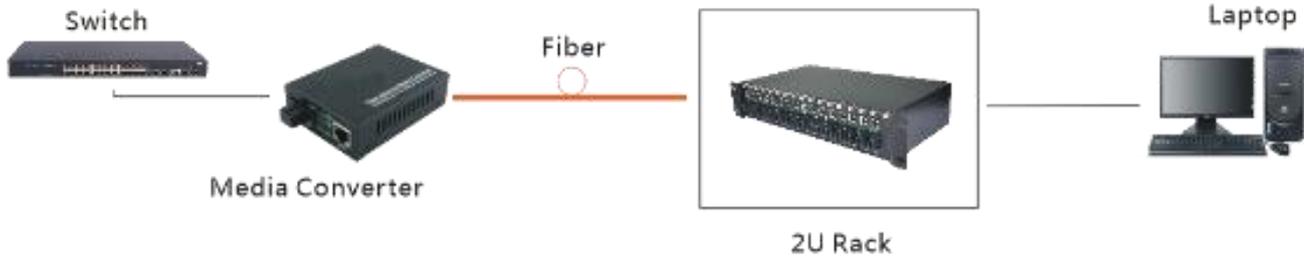
The non-managed media converters, which give you economic solutions for media conversion between fiber and copper Ethernet. It provides you SC connector for your fiber optic cables and RJ45 for twisted pair UTP cable connection. The maximum extension is up to 120km over fiber.

## Specifications

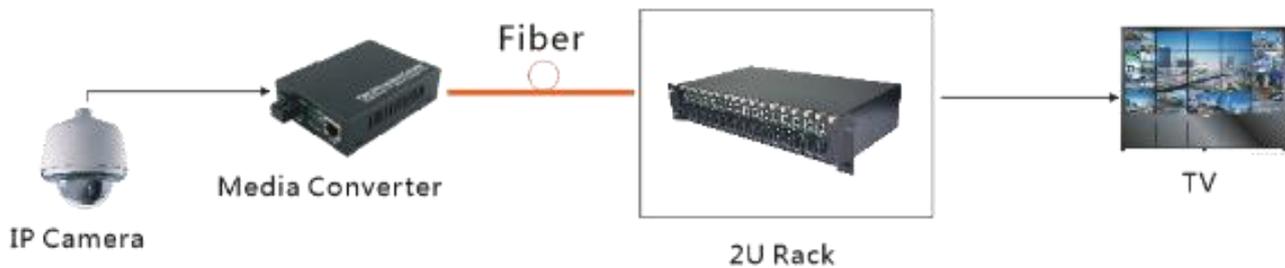
Optical Interface	Connector	1x9 SC
	Data Rate	100/1000Mbps
	Duplex Mode	Full duplex
	Fiber	SM 9/125um
	Distance	10km~120km
	Wavelength	1310nm/1550nm/1490nm
UTP Interface	Connector	RJ45
	Data Rate	10/100/1000Mbps
	Duplex Mode	Half/full duplex
	Cable	Cat5,Cat6
Power Input	Adapter Type	5V to 48V
Power Consumption		<3W
Weight	Adapter Type	0.39kg
	Power Built-in Type	0.67kg
Dimensions	Adapter Type	94*70.5*26.5cm
	Power Built-in Type	140.5*111*30cm
Temperature		0~50°C Operating; -40~70°C Storage
Humidity		5~95%(no condensing)
MTBF		≥10.0000h
Certification		CE,FCC,RoHS

## System Design

### 1. For Networking



### 2. For CCTV Surveillance Security



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