

### 10/100 Media Converter

[www.dmsimfg.com](http://www.dmsimfg.com)



10/100 Media Converter is a network communication device that recognize smooth network upgrade without any additional cost. It is an efficient and adaptable solution in the field of LAN campus network. It completely adapts to 10Base-T, 100Base-TX, 100Base-FX and IEEE 802.3x standards, and can be connected to personal computers, servers, hubs, and switch. It can be set into full/half duplex auto-negotiation by manual; it has two transmission mode: SM and MM, and its interface has many selectable optic fiber connectors and RJ-45 connector.

#### FEATURES

- 10/100 Mbps port with full/half duplex auto-negotiation
- Back pressure flow control for full duplex
- Twisted-pair connector: NODE/HUB or SWITCH (5 class UTP)
- Back pressure flow control for full/half duplex IEEE802.3X
- Automatic identification of MDI/MDI-X cross-line
- High-performance 155Mbps memory bandwidth
- Complies with FCC, 15 CLASS A, RoHS, and CE MARK

#### COMPLIANCES

- IEEE 802.3 10 Base-T standard
- IEEE 802.3u 10/100 Base-TX/FX standard
- IEEE 802.3d standard
- IEEE 802.3q standard

#### APPLICATIONS

- 10M extended enterprise network bandwidth to 100M
- Images, voice and other multimedia data on an integrated transport network point
- Computer signal transmission in need of the occasion widely used for computer data transmission network to meet a variety of business needs
- Campus broadband network, broadcasting network and intelligent residential broadband fiber-to-floor fiber to the home data transfer with the switches and other computer network equipment can be combined to form:-chain, star, ring-type network and other computer networks

### Standard Media Converter, ORDERING INFORMATION

**(Y)(A)(BB)(CC)(D)**

\* Option for Power Over Ethernet, add "P" or for default power supply, or add "D" in front of part number.

#### Y - Select Transmission Speed

C	10/100
M	10/100/1000

#### (A) Select Fiber Type

F	Multimode
Y	Single-mode

#### (BB) Select Connector Type

31	SFP (LC)
61	SC
67	ST
70	SFP (empty slot)

#### (CC) Select Operating Wavelength

85	850nm (Multimode)
13	1300nm (Multimode)
10	1310nm (Single-mode/ Multimode)
15	1550nm (Single-mode)

#### (D) Select Distance

5	550M Multimode
2	2km Multimode
1	10km Single-mode
T	25km Single-mode
4	40km Single-mode
F	50km Single-mode
8	80km Single-mode

### 10/100 Media Converter

#### Technical Specifications

<b>Standard Protocol</b>	IEEE802.3 10 Base-T standard   IEEE802.3u 10/100Base-TX/FX standard
	IEEE 802.3d standard   IEEE 802.3q standard
<b>Band Width</b>	RJ 45 Port: 10/100Mbps   Optical Port: 155Mbps
<b>Operation Mode</b>	Full/Half duplex mode
<b>Connectors</b>	UTP:RJ-45
<b>LED Indicators</b>	POWER, FPL,10/100, FRX, TRX, FDX
<b>Power Supply</b>	External, DC-48V,DC24V,DC12V,DC5V Internal, AC110-250V/50Hz   DC -32~-72V Power Consumption, ≤5W
<b>Environmental Parameters</b>	Work Temperature, 0°C~50°C (32°F ~ 122°F) Storage Temperature, -40°C~70°C (-40°F ~ 158°F) Humidity, 5%~90% non-condensing
<b>TP Cable</b>	Cat5 UTP cable (the max distance up to 100m)
<b>Fiber Cable</b>	Single-mode, 8.3/125, 8.7/125, 9/125, 10/125μm(the max distance up to 20 -120km) Multimode, 50/125, 62.5/125μm(the max distance up to 2km or 5km)
<b>MTBF (Hours)</b>	>50000
<b>Dimensions (mm)</b>	External power supply, 94mm*70mm*25mm (3.7*2.8*0.98 inch) Internal power supply, 140mm*110mm*30mm (5.5*4.3*1.2 inch) Socket Card, 157mm*128mm*31mm (6.2*5.1*1.2 inch)
<b>Gross Weight</b>	External power supply, 0.4kg Internal power supply, 0.8kg Socket Card, 1.0kg
<b>Emission / Safety</b>	FCC Part 15, Class A, RoHS and CE Mark
<b>Warranty</b>	Lifetime
<b>Mean Time Between Failure</b>	114,000 hours
<b>TAA Compliant</b>	Yes

#### DIP Switch Communication Settings

<b>Switch 1</b>	ON	Enable Link Fault Pass-Through
	OFF	Disable Link Fault Pass-Through
<b>Switch 2</b>	ON	Cut-Through(9K)
	OFF	Store and Forward
<b>Switch 3</b>	ON	Flow control enable
	OFF	Flow control disable
<b>Switch 4</b>	ON	FX Speed 100Mbps
	OFF	FX Speed 1000Mbps