



DMSI's 10/100/1000 stand-alone gigabit ethernet media converter is an efficient and adaptable solution in the field of LAN campus network. It mediates between a 10/100/1000Base-TX segment, and a 1000Base-FX segment. Gigabit converters can extend the conventional 10M or 100/1000M fast ethernet out to 20km-120km via the fast ethernet fiber-optical line. It is primarily designed for large, higher speed/bandwidth demanding work groups that require expansion of the ethernet network.

FEATURES

- Provide one fiber connector and one UTP connector
- Fully complies with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.2ab 1000Base-TX, IEEE802.3z 1000Base-FX standard
- Auto-detection of half/full duplex transfer mode for TX port
- Auto-negotiation of 10/100/1000Mbps rate and Auto-MDI/MDIX for TX port
- Provide switch configuration of half/full duplex transfer mode for FX port
- Extend fiber distance up to 2km for multi-mode fiber and 20-120km for single-mode fiber Compacts size for easy installation and working with Media Chassis
- Choice of fiber-connector from SC, LC and WDM, multi-mode / single-mode fiber for 1000Base SFP interface
- Easy-to-view LED indicators provides status to easily monitor network activity Internal power supply
- 1000Base-SX: 50/125µm or 62.5/125µm multi-mode fiber cable, up to 220/550m
- 1000Base-T: 2-pair Cat. 5/5e/6 UTP cable, up to 100 meters
- Back pressure flow control for full duplex IEEE802.3 X and half duplex.

Standard Media Converter, ORDERING INFORMATION

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

* Option for Power Over Ethernet, add "P" or add "D" for default power supply, 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

Technical Specifications

Standard Protocol /	IEEE 802.1q standard		IEEE 802.1p QoS IEEE802.1d Spanning Tree
Compliances	IEEE802.3 1000 Base-T standard		IEEE802.3ab standard
	IEEE802.3z standard		IEEE802.3u 10/100/1000Base-SX/TX standard
Band Width	RJ 45 Port: 10/100/1000Mbps		Optical Port: 125Mbps
Operation Mode	Full/Half duplex mode		
Connectors	UTP:RJ-45		Fiber: SC/ST/FC/LC
Environmental	Work Temperature, 0°C~50°C (32°F ~ 122°F)		
Parameters	Storage Temperature, -40°C~70°C (-40°F ~ 158°F)		
	Humidity, 5%~90% non-condensing		
TP Cable	Cat 5e, 6, 6A UTP or STP cable		
Fiber Cable	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)		
Dimensions (mm)	95mm(L) x 71.5mm(W) x25.4mm(H)		
Emission / Safety	FCC Part 15, Class A, RoHS and CE Mark		
Warranty	3 years		
Mean Time Between			
Failure	114,000 hours		
TAA Compliant	Yes		

DIP Switch Communication Settings

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