

# MEDIA CONVERTERS & SFP

## Stand-Alone

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10/100/1000



DMSI's 10/100 and 10/100/1000 stand-alone ethernet media converters are an efficient and adaptable solution in the field of LAN campus networking. It mediates between a 10, 100, or 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
- Includes power cord
- 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.

### Technical Specifications

<b>Standard Protocol / Compliances</b>	IEEE 802.1q standard IEEE802.3 1000 Base-T standard IEEE802.3z standard		IEEE 802.1p QoS IEEE802.1d Spanning Tree IEEE802.3ab standard IEEE802.3u 10/100/1000Base-SX/TX standard
<b>Band Width</b>	RJ 45 Port: 10/100/1000Mbps		Optical Port: 125Mbps
<b>Operation Mode</b>	Full/Half duplex mode		
<b>Connectors</b>	UTP:RJ-45		Fiber: SC/ST/FC/LC
<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>	Cat 5e, 6, 6A UTP or STP cable		
<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>Dimensions (mm)</b>	95mm(L) x 71.5mm(W) x25.4mm(H)		
<b>Emission / Safety</b>	FCC Part 15, Class A, RoHS and CE Mark		
<b>Warranty</b>	3 years		
<b>Mean Time Between Failure</b>	114,000 hours		
<b>TAA Compliant</b>	Yes		

## 10/100/1000 Stand-Alone Media Converter, ORDERING INFORMATION

(XX)	Replace (XX) with Connector Type
31	SFP (LC)
61	SC
67	ST
70	SFP (empty slot)

SINGLE-MODE		
Part #	Operating Wavelength	Distance
MY(XX)101	1310nm	10KM
MY(XX)10T	1310nm	25KM
MY(XX)104	1310nm	40KM
MY(XX)10F	1310nm	50KM
MY(XX)108	1310nm	80KM
Part #	Operating Wavelength	Distance
MY(XX)151	1550nm	10KM
MY(XX)15T	1550nm	25KM
MY(XX)154	1550nm	40KM
MY(XX)15F	1550nm	50KM
MY(XX)158	1550nm	80KM

MULTIMODE		
Part #	Operating Wavelength	Distance
MF(XX)855	850nm	550M
MF(XX)852	850nm	2KM
MF(XX)135	1300nm	550M
MF(XX)132	1300nm	2KM
MF(XX)105	1310nm	550M
MF(XX)102	1310nm	2KM