

Ethernet Fiber Media Converter 10/100 Mbps



Media Converters provide an intelligent solution for fiber optic connectivity where simplicity, low cost, and minimum footprint are the primary considerations. The converters are designed to handle both legacy 10BaseT and 100BaseTX Fast Ethernet devices on their twisted pair port while maintaining 100BaseFX Fast Ethernet transmission on the fiber optic port. Plug-and-play simplicity makes connection easy. Each Media Converter provides a 10/100BaseT/TX auto-negotiating RJ-45 twisted-pair connector port with Auto-MDIX capability for more convenient connection. Built-in 10/100 switch enables the fiber able connection to operate at 100 Mbps connected to either a 10BaseT or a 100BaseTX network, while remaining completely 100BaseFX standard-compliant. Fiber connection can also operate in full duplex mode whether the RJ-45 port is connected to a full duplex switch or a half duplex hub.

FEATURES/BENEFITS

- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation in TP port
- Supports link fault pass through (LFP) function
- LED display for link/activity, full/half, 10/100M
- Converter mode with auto-change-forward (Switch) function

APPLICATIONS

- LAN
- FTTx
- Telecommunication networks

SPECIFICATIONS

Complies with:	IEEE 802.3 10Base-T, 100Base-TX and 100Base-FX standards
Connector:	STP RJ-45 connector, optical SC, FC,ST connector
Transmission Type:	10/100M FDX/HDX
Data Buffer:	128 Kb RAM
Wavelength (typical):	Multimode: 850 nm (≤ 550 m), 1300 nm (≤ 2 km); Single mode: 1310 nm up to 60 km, 1550 nm up to 120 km
Operation mode:	Full duplex mode or half duplex mode
Temperature:	0 - 50°C (Operating); -45 - 80°C (Storage)
Humidity:	5%-80% non-condensing (Operating); 10%-90% (Storage)
Power Supply:	External 1A,+5 V DC Internal 110~260 V AC
Dimensions:	External power version 95 mm x70 mm x 26 mm (LxWxH)Internal power version 140 mm x110 mm x 30 mm (LxWxH)
Power Consumption:	2.5W
Compliance:	RoHS & REACH FCC Part 15 Class B CE EN55022: 1998+A1: 2000+A2: 2003 EN61000-3-2: 2000+A2: 2005 EN61000-3-3: 1995+A1: 2001 EN55024: 1998+A1: 2001+A2: 2003
MTBF:	65,000 h (25°C)

ORDERING INFORMATION

Type	Speed	Wavelength	Connector	Distance	Power Adaptor	Power Supply
MCF	01 10/100M	M Multimode	SC SC connector	05 550 m 850 nm MM	EU Euro Type	E External
		S Single mode	LC LC connector	2 2km 1300 nm MM	US US Type	I Internal
			FC FC connector	20 20km SM	UK UK Type	
			ST ST connector	40 40km SM	AU AU Type	
				60 60km SM		
				80 80km SM		
				100 100km SM		
				120 120km SM		

This part number generator has created an: 10/100Base Un-managed media converter 2km SC, U.K. External power supply



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FURTHER INFORMATION

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.aflhyperscale.com/product/ethernet-fiber-media-converter>
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