



Application

The 500 series of single fibre media converters utilise fibre optics to extend the physical distance range of typical ethernet links.

Features

- Auto select 10/100 or 10/100/1000TX
- Supports full-duplex or half-duplex, auto sensing
- Indicator LEDs for
 - Link Loss, Transmission, Diagnostics & Data
- MTBF: > 50,000 hrs
- Stand alone or 2U Rack systems available
- Must be used as “matched pairs”



Specifications

Speed	10/100TX / 100FX	10/100/1000TX / 1000FX
Standards	IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-TX/FX Fast Ethernet IEEE802.3ab 1000 Base-T IEEE802.3z 1000 Base-SX/LX Gigabit Ethernet, IEEE802.1q, IEEE802.1p QoS, IEEE802.1d	IEEE802.3 (10BASE-T) IEEE802.3u 100BASE-TX/FX (Fast-Ethernet) IEEE802.3ab 1000BASE-TX (Gigabit Ethernet) IEEE802.3z 1000BASE-SX/LX (Gigabit Ethernet) IEEE802.3x (Flow Control) IEEE802.1q, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Ethernet Port	RJ45 Auto-MDI/MDIX STP or UTP Category 5/5e/6 cable (Max. 100m)	
Fibre Port	SC standard (ST, FC optional) 50/125um, 62.5/125um multimode fiber cable (2Km) 9/125um singlemode fiber cable (20/40/60/80Km)	SC standard (ST, FC optional) 50/125um, 62.5/125um multimode fiber cable (500m) 9/125um singlemode fiber cable (10/30/50/80Km)
Wavelength	1310/1550nm	
Time Delay	Store-and-Forward <10us, straight-through <0.9us	
Flow Control	Full Duplex-flow control. Half Duplex-back pressure	
BER	<1/1000000000	
MAC Address Table	1K	
Buffer Size	1M	
Power	100 - 240VAC 50/60 Hz, <2.5W	
Environment	Operating Temp: 0°C - 50°C Operating Humidity: 5% - 95% Storage Temp: -40°C - 70°C Storage Humidity: 5% - 90% non-condensing	
Dimensions (mm)	Internal Power : 34 x 138 x 179mm Module Card : 25 x 113 x 78mm	

Ordering Details

'A' end	'B' end	Tx Speed	Fibre	Range
OM511-FE/A2	OM512-FE/A2	100Mb	MM	2Km
OM511-FE/S20	OM512-FE/S20	100Mb	SM	20km
OM511-GE/A2	OM512-GE/A2	1Gb	MM	500m
OM511-GE/S10	OM512-GE/S10	1Gb	SM	10km

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