

Media Converter Module Multimode/Single Mode MS416553/4

MICROSENS

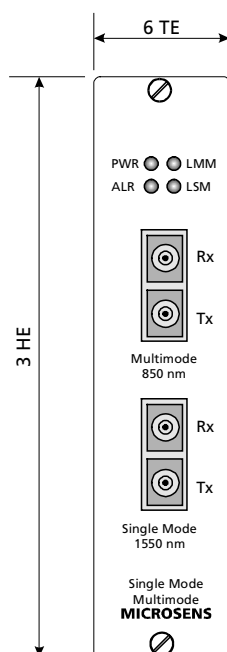
Description

Media converter module for the transparent coupling of multimode and single mode fiber segments. The transparent conversion permits the transmission of different types of protocols up to 622 Mbit/s, e.g. Fast Ethernet and ATM OC-12/STM-4.

The converter module fits into different MICROSENS chassis:

- MS416001 chassis 19", 3 HU, max. 12 modules
- MS416006 chassis 19", 1 HU, max. 3 modules
- MS417001 desktop case for single module (external power supply)
- MS417041 desktop case for two modules (external power supply).

Dimensions



Technical Specifications

Type	Converter for protocoltransparent coupling of multimode and single mode fiber segments
Fiber types	Single Mode 9/125µm, duplex, SC-connectors Multimode 62,5/125 or 50/125 µm, SC-connectors
Data rate	max. 622 MBit/s

Technical Specifications

Single Mode, MS416554

Wavelength	1310 nm
Opt. Power	min. -15 dBm, typ. -8 dBm (9/125 µm)
Opt. Sensivity	min. -28 dBm, typ. -30 dBm (9/125 µm)
Min. Distance ¹⁾	15 km

Single Mode, MS416553

Wavelength	1310 nm
Opt. Power	min. -8 dBm, typ. -5 dBm (9/125 µm)
Opt. Sensivity	min. -29 dBm, typ. -31 dBm (9/125 µm)
Min. Distance ¹⁾	40 km

Multimode

Wavelength	1310 nm
Opt. Power	min. -19 dBm, typ. -17 dBm (1300 nm, 62,5/125 µm)
Opt. Sensivity	min. -26 dBm (1300 nm, 62,5/125 µm)

LED display	<i>PWR</i> Module power ok <i>LSM</i> Single mode link established <i>LMM</i> Multimode link established <i>ALR</i> Link Alert, link failure on SM or MM
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Power supply	12 V DC / max. 500 mA via chassis backplane
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Operating temperature	0°C to 55°C
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Storage temperature	-20°C to 80°C
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Rel. Humidity	5% to 80%, non condensing
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Dimensions	128 x 31 x 170 mm
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1) distances given are based on typical fiber parameters, only optical power budget can be guaranteed.

Order Designation

Art.-No.	Description	Connectors
MS416554	Transparent media converter, multimode 1300 nm, single mode 1300 nm min. 15 km, max. 622 MBit/s	2 x SC duplex 1300 nm
MS416553	Transparent media converter, multimode 1300 nm, single mode 1300 nm min. 40 km, max. 622 MBit/s	2 x SC duplex 1300 nm

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