

Transparent WDM-Media Converter Multimode / Single Mode

MICROSENS

The MICROSENS multimode/single mode media converter for WDM applications is based on a two wavelength multiplexing technology.

The use of the two wavelength of 1300 nm and 1550 nm allows to transmit and receive at the same time over one single simplex fiber line.

The MICROSENS MM/SM WDM converter offers big advantages for existing networks. With these converters it is possible to transmit different services over an existing duplex fiber connection.

Another advantage is the cost reduction for leased lines, which is a result of doubling the capacity of the fiber.

Due to the given protocol transparency the use of the converter is not limited to one application. It is possible to transmit different protocols like Gigabit Ethernet, Fibre Channel and ATM OC-12 with the same converter.

Due to this it is possible to transmit inside of city networks, backbones and leased lines data and voice services simultaneously over existing duplex fiber lines.



Technical Specifications

Type	Media converter module transparent up to 155Mbit/s
Fiber type	Multimode fiber, duplex, 50 or 62.5/125 μ m, Single Mode simplex, 9/125 μ m, ST- or SC-connector
Max. fiber length	20 km standard 60 km optional (Single Mode)
Wavelength	1300 nm
LED displays	Power, Link1, Link2
Dimensions	128 x 31 mm (w x h)
Power supply	12 V DC / max. 400mA via backplane

Order Information

Part-no.	Description	Connectors
MS416570	Multimode / Single Mode WDM-Converter 155Mbit/s	MM: 2 x SC SM: 1 x SC
MS416572	Multimode / Single Mode WDM-Converter 155Mbit/s	MM: 2 x ST SM: 1 x ST