

MS100-200 SERIES SINGLE FIBER BI-DIRECTIONAL CONVERTER

MS100/200 Series is a 2 wavelength WDM converter designed to fit into the fast growing optical fibre network deployment. Designed to work as stand alone or to fit into a RM16 Chassis, it adapts the emerging WDM technology and it is able to expand a copper based network up to 80Km. through a single optical fibre and provide bi-directional transmission. User now may double their existing optical fibre bandwidth and upgrade their existing 100BaseTX or even 10BaseT network easily and more cost effectively.

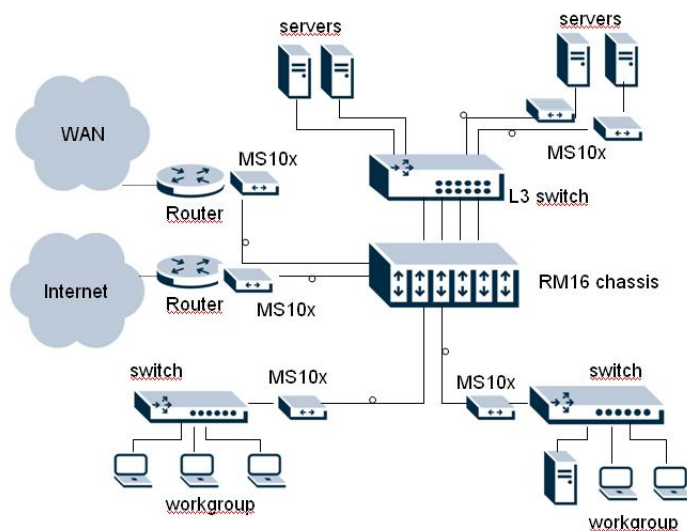
MS100/200 Series is fully compliant with IEEE802.3 & 802.3u standards. The Installation & operation procedures of the MS100/200 Series are simple & straightforward. User can monitor the real time status of the MS100/200 Series through a set of diagnostic LEDs located in the front panel.

KEY FEATURES

- > All Media Converters comply with IEEE 802.3 & 802.3u Fast Ethernet standards
- > LED Indication: FX-100, FX-Link/Act, TX-100, TX-Link/Act, FDX, PWR
- > Provide one RJ45 Twisted Pair 10/100Mbps Ethernet port and one 100BaseFX port
- > 100BaseTX port : 10M/100M and Full/Half Duplex Auto-negotiation
- > WDM integrate and Single Fibre SC connector
- > Wavelength: 1.310nm and 1.550nm
- > Rugged metal case
- > Voltage supervisor



APPLICATION



MS100-200 SERIES

SINGLE FIBER BI-DIRECTIONAL CONVERTER

TECHNICAL HIGHLIGHTS

SPECIFICATION

- > Standard compliancy
 - IEEE 802.3 10BaseT
 - IEEE 802.3u 100BaseTX & 100BaseFX
 - > 10/100BaseTX: 1x RJ45 connector
 - > 100BaseFX: 1x simplex SC connector
-
- > Switching mode
 - Store & forward
 - Data Transfer rate: 200 Mbps-Full Duplex
 - MAC table: 1.000 entries
 - Filtering Rate: Ethernet 14.880 pps - Fast Ethernet 148.800 pps
-
- > Environment
 - Operation temperature: 0° ~ 40° C
 - Storage temperature: -40° ~ 85° C
 - Humidity: 5% ~ 90% (non-condensing)
-
- > Emission/Safety
 - FCC Class A
 - CE Class A

DIMENSION

- > Dimension and Weight
 - Size: 70 x 94 x 27 mm (W x D x H)
 - Shipping weight: 0.6 Kg.

TYPICAL OPTICAL POWER BUDGET

Type	MS101	MS102	MS103	MS104	MS105	MS106	MS107	MS108	MS201	MS202	MS203	MS204
Connector	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
TX nm	1.310	1.550	1.310	1.550	1.310	1.550	1.310	1.550	1.310	1.550	1.310	1.550
RX nm	1.550	1.310	1.550	1.310	1.550	1.310	1.550	1.310	1.550	1.310	1.550	1.310
Distance	20 km	20 km	40 km	40 km	60 km	60 km	80 km	80 km	10 km	10 km	20 km	20 km
Min TX dBm	-14.0	-14.0	-8.0	-8.0	-3.0	-5.0	0	0				
Max TX dBm	-8.0	-8.0	-3.0	-3.0	0	0	+2.0	+2.0				
Sensitivity	-33.0	-33.0	-33.0	-33.0	36.0	-36.0	38.0	36.0				
Link Budget	19.0	19.0	25.0	25.0	33.0	31.0	38.0	36.0				
	dB	dB	dB	dB	dB	dB	dB	dB				

ORDER INFORMATION

- MS101 Single Fiber Media Converter 10/100TX-100FX - TX:1310/RX1550 - 20KM
- MS102 Single Fiber Media Converter 10/100TX-100FX - TX:1550/RX1310 - 20KM
- MS103 Single Fiber Media Converter 10/100TX-100FX - TX:1310/RX1550 - 40KM
- MS104 Single Fiber Media Converter 10/100TX-100FX - TX:1550/RX1310 - 40KM
- MS105 Single Fiber Media Converter 10/100TX-100FX - TX:1310/RX1550 - 60KM
- MS106 Single Fiber Media Converter 10/100TX-100FX - TX:1550/RX1310 - 60KM
- MS107 Single Fiber Media Converter 10/100TX-100FX - TX:1310/RX1550 - 80KM
- MS108 Single Fiber Media Converter 10/100TX-100FX - TX:1550/RX1310 - 80KM
- MS201 Single Fiber Giga Converter 10/100/1000T - TX:1310/RX1550 - 10KM
- MS202 Single Fiber Giga Converter 10/100/1000T - TX:1550/RX1310 - 10KM
- MS203 Single Fiber Giga Converter 10/100/1000T - TX:1310/RX1550 - 20KM
- MS204 Single Fiber Giga Converter 10/100/1000T - TX:1550/RX1310 - 20KM
- RM16 Media Converter Centre 16 slots chassis 19" - 2U with redundant Power Supply

Disclaimer

All statements, technical information and recommendations contained in this documentation have been carefully checked for reliability; however no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.