Multimode to Singlemode

Features
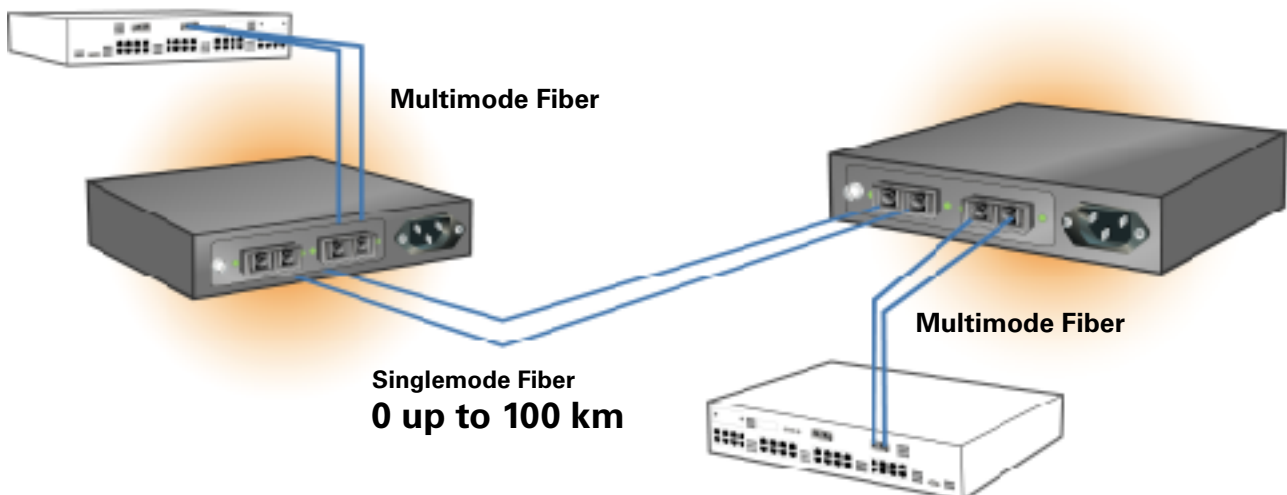
○ Converts Multimode fiber to Singlemode fiber

○ Extend links to over 100 km on Singlemode fiber

○ Hot swappable

○ SNMP managed

○ Wide range of protocol support

○ Compatible with all the appropriate protocol standards

○ Fits in all Fiber Driver chassis

Overview

The Fiber Driver™ collection of Multimode to Singlemode converters allow network managers to connect between Multimode and Singlemode fiber. Conversion to Singlemode fiber can extend the transmission distance to over 100 km. Protocols covered by this group of modules include Fast Ethernet, FDDI, ESCON, SONET OC-3, ATM OC-3, SONET OC-12, Gigabit Ethernet, and Fibre Channel.

Additional Multimode to Singlemode modules can be found in the group of Repeater modules; Multimode to Single Fiber Singlemode modules can be found in the group of Single Fiber modules.

For additional information, including pricing and availability, contact your MRV Communications sales representative today.

Multimode Fiber

Multimode Fiber

Singlemode Fiber
0 up to 100 km

Physical Specifications: Multimode to Singlemode

Operating Temperature:	0º to 50º C / 32º to 122º F
Storage Temperature:	-10º to 60º C / -14º to 140º F
Relative Humidity:	85% maximum, non-condensing
Phisical Dimensions:	25 mm x 75 mm x 175 mm deep (1" x 3" x 7" deep), 1-Slot
Weight:	120 - 240 g (4.2 - 8.5 oz) depending on configuration
Standards Compliance:	FCC-PART 15, SUBPART B 1999, CLASS A. CE MARK - EN 50081-1:1992;
	EN 50082:1997; EN 55024:1998; EN 55022:1998. AS/NZS 3548:1995

Ordering Info

Part Number	Description	Protocol	Connectors* Port/Link	Wavelength Input/Output (nm)	Minimum Loss Budget (dB)	Range** Approx. (km)
EM316FM/S1	Fast Ethernet MM to SM	Fast Ethernet	DSC/DSC	1310 / 1310	17	0 - 35
EM316FM/S2	Fast Ethernet MM to SM	Fast Ethernet	DSC/DSC	1310 / 1310	24	25 - 45
FM316FM/S3	Fast Ethernet MM to SM	Fast Ethernet	DSC/DSC	1310 / 1550	24	35 - 90
FM316FM/S4	Fast Ethernet MM to SM	Fast Ethernet	DSC/DSC	1310 / 1550	29	40 - 110
EM316FD/S1	FDDI MM to SM	FDDI	DSC/DSC	1310 / 1310	17	0 - 35
EM316FD/S2	FDDI MM to SM	FDDI	DSC/DSC	1310 / 1310	24	25 - 45
EM316FD/S3	FDDI MM to SM	FDDI	DSC/DSC	1310 / 1550	24	35 - 90
EM316FD/S4	FDDI MM to SM	FDDI	DSC/DSC	1310 / 1550	29	40 - 110
EM316S/S1	ESCON MM to SM	ESCON	DSC/DSC	1310 / 1310	17	0 - 35
EM316S/S2	ESCON MM to SM	ESCON	DSC/DSC	1310 / 1310	24	25 - 45
EM316S/S3	ESCON MM to SM	ESCON	DSC/DSC	1310 / 1550	24	35 - 90
EM316O3/S1	SONET OC-3 MM to SM	SONET OC-3	DSC/DSC	1310 / 1310	17	0 - 35
EM316O3/S2	SONET OC-3 MM to SM	SONET OC-3	DSC/DSC	1310 / 1310	24	25 - 45
EM316O3/S3	SONET OC-3 MM to SM	SONET OC-3	DSC/DSC	1310 / 1550	24	35 - 90
EM316O3/S4	SONET OC-3 MM to SM	SONET OC-3	DSC/DSC	1310 / 1550	29	40 - 110
EM316A/S1	ATM OC-3 MM to SM	ATM OC-3	DSC/DSC	1310 / 1310	17	0 - 35
EM316A/S2	ATM OC-3 MM to SM	ATM OC-3	DSC/DSC	1310 / 1310	24	25 - 45
EM316A/S3	ATM OC-3 MM to SM	ATM OC-3	DSC/DSC	1310 / 1550	24	35 - 90
EM316A/S4	ATM OC-3 MM to SM	ATM OC-3	DSC/DSC	1310 / 1550	29	40 - 110
EM316O12/S1	SONET OC-12 MM to SM	SONET OC-12	DSC/DSC	1310 / 1310	6	0 - 12
EM316O12/S2	SONET OC-12 MM to SM	SONET OC-12	DSC/DSC	1310 / 1310	18	10 - 35
EM316O12/S3	SONET OC-12 MM to SM	SONET OC-12	DSC/DSC	1310 / 1550	18	30 - 70
EM316G/S1	Gigabit Ethernet MM to SM, SX to LX	Gigabit Ethernet	DSC/DSC	850 / 1310	DL	0 - 10
EM316G/S2	Gigabit Ethernet MM to SM, SX to LX	Gigabit Ethernet	DSC/DSC	850 / 1550	8	0 - 30
EM316G/S3	Gigabit Ethernet MM to SM, SX to LX	Gigabit Ethernet	DSC/DSC	850 / 1550	15	30 - 60
EM316G/S4	Gigabit Ethernet MM to SM	Gigabit Ethernet	DSC/DSC	850 / 1550	20	50 - 80
EM316FC/S1	Fibre Channel MM to SM	Fibre Channel	DSC/DSC	850 / 1310	DL	0 - 10
EM316FC/S2	Fibre Channel MM to SM	Fibre Channel	DSC/DSC	850 / 1550	8	0 - 30
EM316FC/S3	Fibre Channel MM to SM	Fibre Channel	DSC/DSC	850 / 1550	15	30 - 60
EM316FC/S4	Fibre Channel MM to SM	Fibre Channel	DSC/DSC	850 / 1550	20	50 - 80

*Default connectors listed, DST optional
**Distances are approximate and assume 9µ SM and 62.5µ MM
DL= Dispersion Limited

MRV has more than 50 offices throughout the world. Addresses, phone numbers, and fax numbers are listed at www.mrv.com.
Please e-mail us at **sales@mrv.com** or call us for assistance.

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