

M-500 Series

Asynchronous Data Fiber Optic Modem

FEATURES:

- ▶ Communicates over dual optical fiber
- ▶ Data rates up to 500kbps
- ▶ Range up to 50 km
- ▶ Power by single 8 to 12VDC at 200mA Max
- ▶ Female DB-25 and ST fiber optic connectors
- ▶ RS232 and RS422 and RS485 used the same DB-25 connector



Description:

M500 miniature asynchronous fiber-optic modem is designed to provide the most versatile connection possible between any asynchronous serial equipment using fiber-optic cable. M500 goes all out to ensure RS-232 or RS-422 or RS-485 communication integrity. It supports RS-232 data signal at rate up to 115.2Kbps and RS422 or RS-485 data signal at rate up to 500Kbps. Different standards can be mixed and matched to allow RS-232 devices to connect RS-422 or RS-485 system. This means that M500 can replace converters and isolators when connecting remote devices. M500 allows any two pieces of asynchronous serial equipment to communicate full or half duplex over two fibers at distances up to 100 kilometers, and also allows plugs directly into a workstation RS232 or RS422 or RS485 port. M500 can also be set in "repeater" mode to create a multi-drop master/slave configuration, allowing one serial device to talk to multiple slave devices around a fiber ring. All serial connections are provided on the same DB-25 female connector. Like all fiber-optic modems, M500 is inherently immune to RFI/EMI noise, ground loops and transient surges.

Specifications:

Description	Unit	Short haul			Middle haul		Long haul	
		850	1310	1310	1310	1310	1310	1550
Optical wavelength	nm	850	1310	1310	1310	1310	1310	1550
Fiber optical		MM	MM	SM	MM	SM	SM	SM
Distance range	KM	2	5	30	5	30	50	100
Data rate	bps	110 to 500K						
Interfaces		RS-232, RS-422, RS-485						
Electrical connectors		DB-25						
Optical connectors		ST						
Operating temperature	Deg C	-40 to +85						
Power supply voltage	VDC	8 to 12						
Power supply current	mA	Max 200						
Size	mm	120x80x22						



In the USA and Canada call **1-(800)-4TV-TEST**
 191 Forest Avenue, Locust Valley, NY 11560-2132 USA
 1-(800)-488-8378, (516)-671-7278, FAX (516)-671-3362
E-Mail: info@multidyne.com
Web Site: <http://www.multidyne.com>