

- ✓ *2.5G Data Mux Transponder*
- ✓ *Full Support for GbE and 1G FC*
- ✓ *Physical Layer PM, Loopback Tests*
- ✓ *SFP Based Line and Client Interfaces*
- ✓ *Compact Design, Bi-Directional Support*
- ✓ *WDM Based SFP Trunk Input / Output (ITU-T)*
- ✓ *Interfaces with Standards Based Data Protocols*

Gigabit Ethernet and 1G Fibre Channel multiplexer

As data services continue to increase, the ability to add capacity to an existing fiber link, or double the capacity of the available wavelengths is proving indispensable for network planning. The LXDMM's ability to effectively double the transport capacity of a link helps meet that need both for today's applications and tomorrow's expansion. The use of slexible SFP technology means that linecards and optics can be used and spared at a fraction of the cost for fixed transponders.

The LXDMM multiplexer aggregates Gigabit Ethernet or 1G Fibre Channel, or a mix of these protocols to a single WDM wavelength. The module supports client-side pluggable SFP optics using 850 nm multi-mode and 1310 nm singlemode as well as WDM SFP based trunk-side optics. By allowing flexible options for both the client and line-side, the DMM supports use in CWDM, DWDM, and even simply Gigabit Ethernet muxing using 1310 lineside optics.

The module is a single slot, three port module for use in any GigaMux 3234/3217/1608 shelves and is compatible with both DWDM 200 GHz and 100 GHz spaced channels as well as CWDM. The module supports 2 x Gigabit Ethernet, 2 x 1G Fibre Channel, or a single port of each protocol. By using the muxed features on this card, the operator can double their existing capacity to carry data services efficiently.

Technical Specifications

Dimensions

- Single Slot
- 4" H x .8" W x 8.25" D
- (100 mm x 20 mm x 210 mm)

Interfaces

- SFP based client and lineside interfaces
- SFP commonly supported with LC/UPC

Standards Support

- GigaBit Ethernet
- Standard IEEE 802.3z/D5
- Transparent, full-duplex with 1.25 Gbps throughout
- Fibre Channel
- Standard ANSI X3.230 - 1994
- Transparent, line rate of 1.06 Gbps

Regulatory Compliance

- (When properly installed in a GigaMux Chassis)
- CE (GM 3234/3217/1608)
- Telcordia NEBS Level 3 Compliant
- (GM 3234/3217)
- OSMINE TIRKS and NMA
- Safety UL 1950, 3rd Edition
- IEC 60950, 3rd Edition
- (according to CB Scheme)
- EMC FCC Part 15 Class A (USA)
- EN 55022 Class A (Europe)
- GM 3234/3217
- EN 55022 Class B (Europe)
- GM 1608/1602
- VCCI Class A (Japan)
- EN61000-3-2/3
- Harmonics/Flicker
- Immunity EN61000-4-2/3/4/5/6/11
- ESD/EI/EFT/Surge/LFCI/VDS
- ENV50140-RI
- Telecom FCC Part 68 (USA)

Operating Requirements

- Operating Temperature 41-104° F/5-40° C
- Short Term Operating Temp 23 to 131° F/-5-55° C
- Storage Temperature -40 to 167° F/-40-75° C
- Operating Humidity 5% to 85%
- Short Term Humidity 5% to 90%

Ordering Information

LXDMM

Gigabit Ethernet and 1G Fibre Channel multiplexer. 2 X client, 1 x line



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