

- ✓ *Multirate input (software configurable, per SFP)*
- ✓ *3R and 2R support*
- ✓ *Client and Line side loopback support PM functionality*
- ✓ *Flexible design, supports multiple metro protocols*
- ✓ *Reliable, compact, one-slot module design*

8 PORT MULTI 2.5G BASED TRANSPONDER

The GMMR4-2.5G is a one-slot multirate module with 8 SFP based ports. It supports a variety of rates: 3R transport of OC-3/STM-1, OC-12/STM-4, OC-48/STM-16, 2.5 Gbps InfiniBand, Gigabit Ethernet (1.25 Gbps), and Fibre Channel (at 1.0625 Gbps and 2.125 Gbps rates) and 2R transport of FDDI, Fast Ethernet and ESCON.

Sorrento Networks' pluggable SFPs determine the client and line-side interface that the GMMR4-2.5G module accepts. 850 nm and 1310 nm optical signals that enter the client interface are converted into ITU-T grid wavelengths on the lineside interface. By allowing a flexible SFP architecture, cost of ownership is reduced by simply selecting new client or lineside SFP's as defined by the network requirements.

The GMMR4-2.5G module also supports PM and loopback functions, enabling precise monitoring. In addition, integrated protection switching can be supported by using a single client interface and connecting it to two line-side interfaces through software. Single card/port regen is also supported by using two lineside SFP's, one acting as the client and one as the line. By integrating this all onto a single linecard, the GigaMux 6400 can fully support 40 2.5G wavelengths in a single shelf.

Technical Specifications

Dimensions

- Single slot GigaMux 6400 linecard

Interfaces

- 8 SFP ports
- Fully configurable line and client SFP's up to 2.5G
- LC/UPC interfaces

Standards Support

- Gigabit Ethernet—
- Type 1000Base-FX
- Standard IEEE 802.3z/D5
- Transparent, full-duplex with 1.25 Gbps throughout
- SONET/SDH—
- Type OC-3/STM-1, OC-12/STM-4, OC-48/STM-16
- Standard GR253-Core SONET transport
- Configuration Transparent, line rates of 155 Mbps, 622 Mbps, 2.48 Gbps
- Fibre Channel—
- Standard ANSI X3.230 - 1994
- Transparent, line rate of 1.06 Gbps, 2.1 Gbps

Management

- CLI, GigaView, ZMS

Bandwidth/Distance

- Based on SFP clients

Regulatory Compliance

- (When properly installed in a GigaMux Chassis)
- Telcordia NEBS Level 3 Compliant
- Safety UL 1950 Third Edition, FCC Part 15, Class B,
- NEBS Compliance GR-63-CORE, GR-78-CORE, GR-1089-CORE
- EMC EN 60950, EN 55022-4, EN 300-386

Operating Requirements

- 5° C to 40° C
- 1 slots
- 20 watts
- LC-UPC (standard SFP)

Ordering Information

GMMR4-2.5G

4 PORT GMMR 2.5G MULTIRATE WITH 4 CLIENT AND 4 LINE SFP PORTS



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