

- ✓ *Bi-directional 4G Fibre Channel links Full 3R support, SFP based line and client links Physical layer PM, loopback tests 80 km lineside dispersion limit*
- ✓ *Compact design, bi-directional support High quality trunk input/output (ITU-T) Quick problem isolation with PM Interfaces via Fibre Channel standards*

4 port 4G Fibre Channel linecard

As data center capacity has risen, the requirements for high-speed, carrier class transport have increased. Utilizing DWDM and 4G Fibre Channel storage links to connect remote data centers allows mission critical applications, services, and transactions connectivity to external sites, insuring safe backup of this sensitive information.

The GMFC4-4G module is a bi-directional 1 slot transponder that supports 4 individual 4G Fibre Channel wavelengths. The line-side interface supports up to 80km over standard SMF fiber to another similar unit with SFP based optics for both line and client interfaces. To extend transmission distance, complete signal regeneration capability is supported.

The regenerating 3R function performs pulse power amplification, reshaping, and retiming. This function guarantees signal quality and can function as a regenerative wavelength converter or repeater in regional systems. When couple with GigaMux DWDM dispersion compensation modules and amplifier modules, network limits are eliminated and extended the basic 80km distance to hundreds of kilometers before regeneration is necessary.

Technical Specifications

Dimensions

- Single slot GigaMux 6400 linecard

Interfaces

- 8 SFP ports
- Fully configurable line and client SFP's

Standards Support

- Gigabit Ethernet—
- Type 1000Base-FX
- 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, 2.1 Gbps, 4 Gbps

Protocol Support

- 1/2/4G FC support
- GbE support

Management

- CLI, SNMP, and TL1 management support

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

GMFC4-4G

8 port/4 line 4G Fibre Channel linecard for GigaMux 6400



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02 12 2008