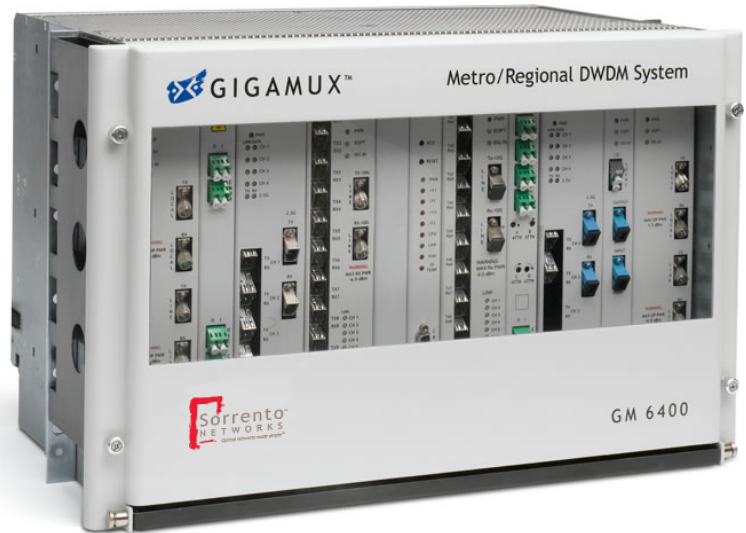


Metro/Regional DWDM Transport System

- ✓ *Support for all industry standard TDM, Ethernet, and Storage Area Network protocols*
- ✓ *2.5G and 10G services delivered out of a single common shelf*
- ✓ *Single service and muxed service transponder support*
- ✓ *Integrated amplification, dispersion compensation, and management for single chassis solutions*
- ✓ *Data service delivery including private LAN extension, Internet service transport*
- ✓ *High-capacity metro/regional data aggregation and transport*



Sorrento Networks' GigaMux product family enables carriers, service providers, and enterprises to deliver optical wavelength services from the network edge to the core. With support for up to 80 wavelengths with DWDM, the GigaMux 6400 allows carriers to deploy custom network architectures with the right platform for the job. With a significantly smaller capital outlay and fewer management requirements than other optical networking products, GigaMux delivers what customers need now for increased revenue, accelerated service delivery, and reduced transport costs. Over 3000 GigaMux nodes are deployed worldwide, solving a wide range of carrier application needs.

The GigaMux 6400 features a modular, open slot chassis plus a unique, parallel filter architecture for uniform loss across all channels. A full range of rugged, passive, low-loss filter modules provide genuine "plug-and-play" functionality for single and group add/drop and bypass for 2.5G and 10G networks. Integrated channel balancing in the filters supports foreign wavelength transport, easily allowing users to be added without disrupting existing services and expand the network as customer requirements dictate.

Technical Specifications

Dimensions

- Dimensions: 12.25 in. x 17.25 in. x 12.0 in. / 311 mm x 438 mm x 305 mm (HWD)

Weight

- 84 lbs. / 37 kg (fully loaded)

Power

- 120-240 VAC, -42 to -60 VDC
- Redundant Supplies (2)
- 400 Watts max. per shelf

Standards Support

- Bit Error Rate:
- Per Wavelength BER: $< 10E^{-12}$ (-5° C to +55° C)

Management

- Management protocols: SNMP and TL1
- Terminal interface: VT-100 compatible RS-232,
- Alarms configurable via SNMP, Terminal port interface
- & browser-based GUI
- Environmental alarms: 16 input, 16 output

Regulatory Compliance

- Safety: UL 1950, 3rd Edition, IEC 60950, 3rd Edition
- (according to CB Scheme)
- EMC: CE, FCC Part 15 Class A (USA), EN 55022
- Class A (Europe), VCCI Class A (Japan), EN61000-3-2/3
- Harmonics/Flicker
- Immunity: EN61000-4-2/3/4/5/6/11,
- ESD/R/EFT/Surge/LFCI/VDS, ENV50140-RI
- Telecom: Telcordia NEBS Level 3, GR-63-CORE,
- GR-1089-CORE (Type 2), FCC Part 68 (USA)

Operating Requirements

- Operating temperature: 41° F to 104° F / 5° C to 40° C continuous; 23° F to 131° F / -5° C to 55° C for 96 hrs.
- Storage temperature: -40° F to 158° F / -40° C to 70° C
- Relative operating humidity: 5% to 85% (non-condensing)

Ordering Information

Chassis and System Modules

GN-CS, GN-CSP, GN-MCS	Chassis Shelves
GNACPS-IV, GNDCPS	AC and DC PSU Modules
GNUMGT-EH	Shelf Management Module
GNC	Node Controller Module
GMTM	External DS1 / E1 Timing Module

Filters

GM-FTiC	Filter, 100GHZ Fiber Trunk Filter Interface (4th stage)
GMFTI-CL	Filter, 100GHZ C / L Band Expansion Filter (4th stage)
GMRB	Filter, 100GHZ Expansion Filter Module (3rd stage)
GMER, GMEB	Filter, 100GHZ Dual Band 4-port Mux / Demux Filter (2nd stage)
GMMD-100	Filter, 100GHZ 4 Channel Mux / Demux Filter (1st stage)
GMAD-100	Filter, 100GHZ Add / Drop Single Channel Mux / Demux Filter Module
GMEI	Filter, 200GHz Expansion Interleaver Module (3rd stage)
GME	Filter, 200GHz Dual Band 2-port Mux or Demux Filter (2nd stage)
GME1C, GME2C	Filter, 200GHz Four Band 4-port Mux or Demux Filter (2nd stage)
GMMD	Filter, 200GHz 4 Channel Mux / Demux Filter (1st stage)
GMAD	Filter, 200GHz Add / Drop single Channel Mux or Demux Filter Module
GMCM	Span Dispersion Compensation Modules (20, 40, 50, 60 km)
GMOA-T4 / T5 / T6	Span Advanced EDFA-based Technology Amplifiers
GM-FPS2W, GM-FPMT	Span Bi-Directional Trunk Protection Switch Module
GMOSC-100, GMOSC	Span Service Channel 1510 nm Transceiver
GMSCF	Span, 200GHz 1510 nm OSC Extraction / Insertion
GMDPM	Span or Common Bi-directional Optical Dedicated Protection Module

Ordering Information

Transponders

GMCR-10GL-LR	Transponder Bi-directional 10GE LAN Transponder
GMCR-10G-LW	Transponder Bi-directional 10G WAN Transponder
GMCR-2.5G	Transponder Bi-directional OC-48 Transponder
GMMR-2.5G	Transponder Multi-rate 2R & 3R Bi-directional 8M - 2.5G Transponder
GMMR SONET, SDH	SFPs Transponder SONET / SDH Small Form Factor Pluggable Optical Client Transceiver Module Selection
GMMR DATA	SFPs Transponder GMMR Data Small Form Factor Pluggable Optical Client Transceiver Module Selection
GMOX-2.5G-A	Transponder Transparent Uni-directional 2R Transponder; 16 Mbps to 2.5 Gbps
GMOX-2.5G-M/R	Transponder Transparent Uni-directional 2R Transponder; 51 Mbps to 2.5 Gbps
GMOX-ISC	Transponder Transponder Specifically for IBM's Inter-System Coupling Link
GMFNT1, GMFNR1	Transponder Forward Path QAM Analog Transmitter / Receivers (50 to 750 MHz)
GMFNT2, GMFNR2	Transponder Reverse Path QPSK Analog Transmitter / Receivers (5 to 65 MHz)
GM-ESC8	Mux 8-port Full-Duplex Asynchronous Mux (125, 155, 200 Mbps)
GMGE4-2.5G	Mux 4-port GigaBit Ethernet and Fractional GbE Aggregator into 2.48 Gbps
GMGE10	Mux 10-port GigaBit Ethernet Aggregator into IEEE.802.ae LAN 10Gbps
GMFC2	Mux 2-port FC100 or 1-port FC200 Mux into 2.48 Gbps - Buffer Credit Support
GMGE / FC2	SFP Family Mux GMGE / FC2 Small Form Factor Pluggable Optical Transceiver Module Selection
GMSMX-2.5G	Mux 4-port OC-12 / STM-4 to 16-port OC-3 / STM-1 Multiplexer into 2.48 Gbps



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