

Sorrento GigaMux 3200, GigaMux 3234, GigaMux 3217

PRODUCT HIGHLIGHTS

- Flexible Optical Solution Delivers Complete Range of Services
- 1 to 40 channel wavelength support
- Supports Point-to-Point, OADM Linear, and OADM Hub/Spoke Ring Configuration
- Protocol and bandwidth independent
- Redundant and scalable
- 10G and 2.5G support
- Simultaneous CWDM and DWDM in a single shelf

Advanced CWDM / DWDM Optical Transport from Customer Premises to Regional Backbone

Sorrento's GigaMux® 1600 / 3200 optical transport system offers carriers unmatched flexibility and control, providing the full range of transport interfaces and capabilities. The GigaMux supports a variety of simultaneous single-wavelength and CWDM/DWDM architectures, including point-to-point, OADM linear, and OADM "hub and spoke" ring configurations and support for extended distances. The modular platform allows wavelength services to be added or upgraded incrementally, enabling carriers to satisfy customer needs quickly and easily on demand. A protocol-independent design allows the GigaMux to transport and extend the traffic of SONET/SDH, layer 2/3 Ethernet, and storage area networks (SAN) simultaneously and in their native format. By supporting each traffic type natively, the network can grow and evolve based on traffic requirements.



The GM 3200 allows rapid deployment of high-bandwidth data and voice services on a simple, flexible and intelligent platform. Sorrento delivers a product that is designed to free carriers from restrictive transport technologies and provide system flexibility to accommodate changing end user demands. With a bandwidth protocol independent platform, the GM 3200 delivers OC-n/STM-n, Gigabit Ethernet, Fast Ethernet, Fibre Channel or traditional voice traffic over T1. The GM 3234 architecture has a capacity of 400 Gbps.

By utilizing 3R (reshaping, regeneration and retiming) technology, the GigaMux ensures that optical signals from the customer's equipment are fully replicated at the POP, essentially creating a virtual local connection – as if the customer's equipment was co-located at the service provider's POP. The GigaMux complies with NEBS standards, allowing for co-location in a carrier environment. These functions are all managed by a powerful client-server based Sorrento Management System (ZMS), allowing easy access for system administration functions.

TECHNICAL SPECIFICATIONS

DIMENSIONS

- GigaMux 3234
- 17.45" (W) x 15.75" (H) x 12" (D)
- 443 mm (W) x 400 mm (H)
- x 305 mm (D)
- GigaMux 3217
- 17.45" (W) x 10.5" (H) x 12" (D)
- 443 mm (W) x 267 mm (H)
- x 305 mm (D)

WEIGHT

- (Fully Loaded weights)
- GigaMux 3234
- 91.6 lbs.
- 41.6 kg
- GigaMux 3217
- 50 lbs.
- 23 kg

POWER

- GigaMux 3234
- Voltage: 100-240 VAC, -42 to -57 VDC
- Protection: Redundant Supplies (4)
- Power Consumption: 519 Watts max.
- GigaMux 3217
- 85-264 VAC, -42 to -57 VDC
- Protection Redundant Supplies (2)
- Power Consumption 190 Watts max.

STANDARDS SUPPORT

- Gigabit Ethernet
- Fibre Channel (1.06 and 2.1 Gbps)
- OC-3/STM-1 (155 Mbps)

- OC-12/STM-4 (622 Mbps)
- OC-48/STM-16 (2.488 Gbps)
- OC-192/STM-64 (9.953 Gbps)
- 10 GbE LAN PHY (10.3125 Gbps)
- 10 GbE WAN PHY (9.953 Gbps)
- 10/100 Base-Tx
- T1/E1

MANAGEMENT

- CLI, SNMP, WavBrowser, ZMS

REGULATORY COMPLIANCE

- CE
- Telcordia NEBS Level 3 Compliant
- 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)
- 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
- Relative Humidity 5% to 85% operating, non-condensing



Sorrento Networks
9137 East Mineral Circle
Suite 340
Centennial, CO 80112

Sorrento Networks is a global provider of metro optical access solutions, offering an edge-to-regional CWDM, DWDM and ROADM product portfolio to carriers and enterprises. Sorrento Networks' GigaMux and GigaEdge optical transport products efficiently add bandwidth to clients' networks, and transport mission-critical services and applications across the network infrastructure. The company is headquartered in Denver, Colo., with offices in Oakland, Calif. and Stuttgart, Germany. For more information, visit www.sorrentonet.com. Sorrento, the Sorrento Networks logos and all other Sorrento Networks product or service names are trademarks or registered trademarks of Sorrento Networks, Inc. All other trademarks are property of their respective owners. Copyright 2008 Sorrento Networks. All rights reserved.