

Sorrento GigaMux 1600

PRODUCT HIGHLIGHTS

- Flexible Optical Solution Delivers Complete Range of Services
- Supports Point-to-Point, OADM Linear, and OADM "Hub and Spoke" Ring Configuration
- Only 2 RU high
- 10G and 2.5G support
- Point-to-point, multi-drop, hub and spoke and ring configurations
- SNMP and browser-based GUI network management
- Low power consumption

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 WDM architectures, including point-to-point, OADM linear, and OADM "hub and spoke" ring configurations; supporting distances up to 250 km with OCMe. 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).

Designed for use at either the carrier's POP or a CPE location, the GigaMux 1608 is the densest, compact and most cost-effective optical access platform in the industry today. An integral element of the Sorrento GigaMux, the GM 1608 supports up to four wavelengths in only 2 RU of chassis height. Redundant power supplies, cooling systems, and management modules provide the highest level of system reliability while offering the smallest physical footprint in its class.

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.

TECHNICAL SPECIFICATIONS

DIMENSIONS

- 17.5" (W) x 3.5" (H) x 12" (D)
- 445 mm (W) x 90 mm (H)
- x 305 mm (D)

WEIGHT

- (fully loaded)
- 25 lbs.
- 11.3 kg

POWER

- Voltage 100-240VAC, -36 to -72VDC
- Protection Redundant Power Supplies (2)
- Power Consumption 200 Watts max.

INTERFACES

- Gigabit Ethernet
- Fibre Channel (1, 2, 4, 10G)
- 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

REGULATORY COMPLIANCE

- Safety UL 1950, 3rd Edition
- IEC 60950, 3rd Edition
- (according to CB Scheme)
- EMC FCC Part 15 Class A (USA)
- EN 55022 Class B (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



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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.