

SN-LXUPSM

GigaMux 3200

PRODUCT HIGHLIGHTS

Continuous monitoring of both the primary traffic path and the recovery path

Protection switching independent of the MPM, resulting in highly reliable operation

Non-interruptive hot-swappable capability, eliminating down-time

Universal service protection multi-rate protocols

GigaMux 3200 UPSM

PATH PROTECTION MODULE

Sorrento's Path Protection Module adds the reliability and redundancy needed to ensure maximum service uptime. With information being delivered at multi-gigabit rates, path protection becomes of utmost importance. Service downtime, even for a short period, is unacceptable. Enterprise end users expect reliable connectivity, minimum delay and path protection across their wide-area services. With the deployment of the UPSM in Sorrento's GM 3200/1600, service providers can offer protected optical access services with maximum uptime.

When the loss of light signal or degradation of signal quality is detected, the UPSM re-routes traffic from a working fiber pair to a protection pair. The UPSM uses an on-board light detector to determine signal loss or degradation—defined by default or user-defined thresholds. When a problem is detected, a protection switch occurs automatically. In addition, the UPSM protection circuitry provides real-time status to the management system, providing real-time monitoring of the working and the protected fiber pair.

With on-board detection and switch decision circuitry, the UPSM is capable of switching in less than 25 milliseconds, well within the SONET/SDH 50 millisecond-switching standard. Protection switching is independent of the number of wavelengths carried across the fiber system. Finally, the UPSM protection switching operation is independent of the GigaMux management utilities, resulting in highly reliable operation.



TECHNICAL SPECIFICATION

Management

- Management protocols: SNMP and Telnet/CLI
- Terminal interface: VT-100 compatible RS-232,
- Alarms configurable via SNMP, Terminal port interface & ZMS

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/RI/EFT/Surge/LFCI/VDS, EN50140-RI

Operating Requirements

- Operating temperature: 41° F to 104° F / 5° C to 40° C continuous
- Storage temperature: -40° F to 158° F / -40° C to 70° C
- Relative operating humidity: 5% to 85% (non-condensing)

Optical Specifications

- See GigaMux pluggable optical specifications



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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.