PLEXSTAR®

XC1600/XC1610

SONET Cross-connect

www.plexstar.com

Product Overview

The Plexstar XC1600 and XC1610 are feature-rich, compact highly integrated central cross-connect platforms. The XC1600/XC1610 includes multi-rate SONET interfaces with full regenerator section, multiplex section, and path processors. The systems are configured and managed by web based feature rich GUI. Plexstar transport network series enables power-efficient equipment design with unprecedented scalability and carrier grade reliability.

XC1610

Features

- SONET cross-connect solution in a compact 1U chassis facilitating better utilization of available rack space
- Cost-effective backbone network solution
- Low power consumption (35 Watts)
- XC1610
  → 140G of non-blocking memory based high order STS cross-connect, 20G low-order VT path processors, and 20G of non-blocking memory-based high/low-order cross-connect
- XC1600
  → 70G of non-blocking memory based high order STS cross-connect, 10G low-order VT path processors, and 10G of non-blocking memory based high/low-order cross-connect
- Supports grooming up to VT1.5
- Traffic aggregator
- SMC compliant timing synchronization with ability to time from line, BITS, or internal reference
- Web based secured control and status monitoring support
- Operating temperature 0° C to 70° C

Interfaces

- XC1610
- → Four OC-48/12 SFP interfaces with line protection via fiber optics
- → Ten OC-12/3 interfaces with line protection via fiber optics
- XC1600
- → Two OC-48/12 SFP interfaces with line protection via fiber optics
- → Eight OC-12/3 SFP interfaces with line protection via fiber optics
- Eight 2.5G ESSI Expansion via high speed SATA connectors
- Two (10/100/1000) RJ45 interfaces for LAN and console connections

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Monitoring and Maintenance

- Higher-order and lower-order POH, SONET level alarms and performance monitoring
- Remote software downloads
- Various local and remote loop-backs

Timing and Synchronization

- Supports timing synchronization options from the SONET line, BITS interface, or internal reference. A combination of a digital PLL and an analogue PLL are used to meet the system requirements for synchronization, holdover, and jitter
- Meets the global timing requirements for OC-48 and OC-12

Protection

- 1+1 line protection and 1+1 power redundancy

Power

- Input power: 110/220VAC or -48VDC
- Power consumption: 35 watts
- Dual power input

Physical Dimension

- Size: 19" x 11" x 1U
- Weight: 7.5 pounds

Note- XC1600: 8 x SFP interfaces, XC1610: 10 x SFP interfaces; configured to different combinations of OC-48, OC-12, and/or OC-4.

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