

SDH Cross-connect

XC1610

Product Overview:

The Plexstar XC1610 are feature-rich, compact highly integrated central cross-connect platforms. The XC1610 includes multi-rate SDH 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.



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Features:

- SDH 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 AU cross-connect, 20G low-order TU path processors, and 20G of non-blocking memory-based high/low-order cross-connect
- Supports grooming up to TU11
- Traffic aggregator
- SEC 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 STM-16/4 SFP interfaces with line protection via fiber optics
 - Ten STM-4/1 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

Monitoring & Maintenance:

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

Timing & Synchronization:

- Supports timing synchronization options from the SDH 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 STM-16 and STM-4

Protection:

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

Power:

- Input power: 110/220VAC or -48VDC
- Power consumption: 40 watts
- Dual power input

Physical Dimension:

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

