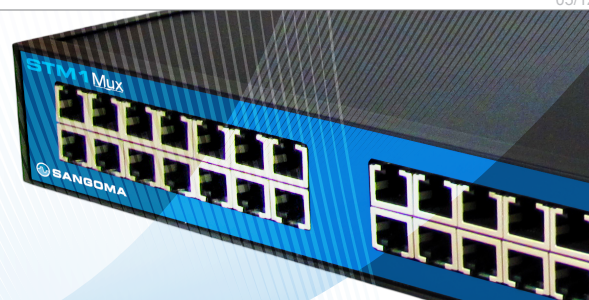# STM1Mux

Fiber Multiplexer

STM1Mux:
T1/E1 OVER STM-1/OC-3 FIBER

Introducing Sangoma's new fiber multiplexer that can rearrange an STM-1 or OC-3 fiber signal into 63 E1 or 84 T1 framing. Sangoma offers this cost-effective and reliable solution, consistent with the quality and affordability of its other product families.

As demand and bandwidth needs increase in today's telecommunications and data network, large economies of scale can be achieved by substituting multiple single T1/E1 trunks with a single fiber connection running at 155 Mbps. A STM-1 or OC-3 interface will reduce overall expenses and control costs by combining data and voice applications over one circuit. Depending on the market, the benefits can be seen as soon as you subscribe to more than 20 T1 or E1 circuits simultaneously.

The STM1Mux is a 155 Mbps fiber multiplexer that interfaces with the STM-1/OC-3 network via a standards-based SFP transceiver with single mode fiber with LC connectors. The T1/E1 connectors are RJ-48, each carrying 2 T1/E1 per connector, in a DSX pinout.

The STM1Mux offers a simplified and user-friendly management console accessible via ethernet or RS232. It features a VT100 terminal interface for system management, T1/E1 and fiber interface configuration.

TECHNICAL SPECS

Interfaces
155 Mpps STM-1 or OC-3 fiber, T1/E1, ethernet, RS-232

Connectors
Includes standards based SFP transceiver module for 1310 nm

single mode fiber with LC connecors, RJ-45 for T1/E1, RS-232 DB-9

Power Requirements
100/240 VAC, 50/60 Hz, 20W

Operating Temperature Range
Temperature range: 0–50°C

Warranty
5-Year warranty with product registration

HIGHLIGHTS

› Cost-effective bandwidth consolidation
› Simple configuration via ethernet or RS232

BENEFITS

› Rate Stability
› Improved Response Time
› Timely Provisioning
› Responsive Service and Repair
› Flexible Customer Solutions
› Reduce Operational Costs
› Reliability
› Security

ORDERING INFO

SKU	Item
STM1MUX	STM-1/OC-3 to E1/T1 Multiplexer *(Includes SFP transceiver, rack mounting angled brackets, 5M SMF LC duplex fiber, serial, Ethernet and AC mains cables)*
CABL-651	Single mode fiber, LC duplex connectors, 5M
CABL-630	T1/E1 Split cable
CABL-614G	RJ45 E1/T1 cable

Front

Back