

CWDM Family

4 channel transponder rack



SML-1000

The SML-1000 is a multi-rate transponder platform (up to 2.5G transponder) that provides the capability to transport a wide variety of service types from 155 Mbps to 2.48 Gbps, including services such as ESCON, SONET OC-3 through OC-48, SDH STM-1 through STM-16, Gigabit Ethernet, 1-or 2-Gbps Fiber Channel over a 100-GHz, ITU-compliant wavelength. The 2.5G transponder card architecture contains a single client interface that is mapped to a single-line CWDM interface, without accessing any cross-connect fabric.

The interface to the client is via a variety of Small Form-Factor Pluggable (SFP) optics modules, enabling a wide service mix and different fiber types (single- and multimode), wavelengths (850 and 1310 nm), and fiber reach (short reach/intra-office, intermediate reach/long haul, etc.). The SFP optical modules are equipped with LC connectors to enable high-density placement.

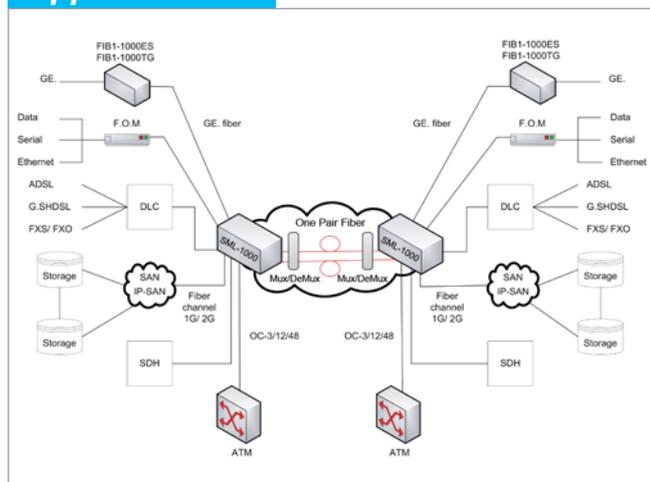
Features

- 1U 19" 4Ch Transponder Rack
- R2R regeneration (Re-amplification and reshaping)
- Line rate support from 100Mbps up to 2.5Gbps
- Client Side Wavelength: 850/ 1310/ 1550nm
- Line Side CWDM Wavelength 1471/ 1491/ 1511/ 1531 / 1551/ 1571/ 1591/ 1611nm
- optical Connector: SFP-LC (On both Line & Client Side)

Specifications

Ports	Connector : SFP LC
Optical Interface :	Data rate : 100Mbps, 1.25Gbps, 2.5Gbps
	Cable type : MM 62.2/125 μ m, 50/125 μ m. SM 9/125 μ m
Distance :	MM 2km. SM 15/30/50/80/120km,
	WDM 20/40/60/80km
Wavelength: 850, 1310, 1470 ~ 1610nm	
Standard	ITU-T
LEDs	Power, Line Link, Client Link
Power	AC : 100 ~240V DC48 : 36 ~ 72V
Power Consumption	< 12W
Dimensions	265 x 440 x 43mm
(D x W x H)mm	
Weight	3.2kg
Temperature	0~50°C (Operating) ,0~70°C (Storage)
Humidity	10~90% non-condensing
Certification	CE, FCC, RoHS
MTBF	50,000 hours

Application



Ordering Information

- **SML-8024-AA** Chassis with Internal Dual AC power
- **SML-8024-DD** Chassis with Internal Dual DC power
- **SML-8024-AD** Chassis with Internal AC + DC power