



# SML01-4G-3S

## 4G 2R Transponder with Optical Line Protection

The SML01-4G-3S is a 2R 4G optical regeneration device, which consists of Re-amplification and Re-shaping. The transponder card converts a data signal to the correct wavelength for transmission on a specific channel by supporting SFP optics on both line side and client side interfaces. 1+1 Automatic optical line Protection Switching is supported for the aggregate fiber ports. When the NMC card is placed in the 2-slot chassis with SML01-4G-3S, the management can view the converter card's status, type, version, fiber link status and alarms. The card can be configured to enable or disable the port, reset the port and perform diagnostic loop backs.

### Features

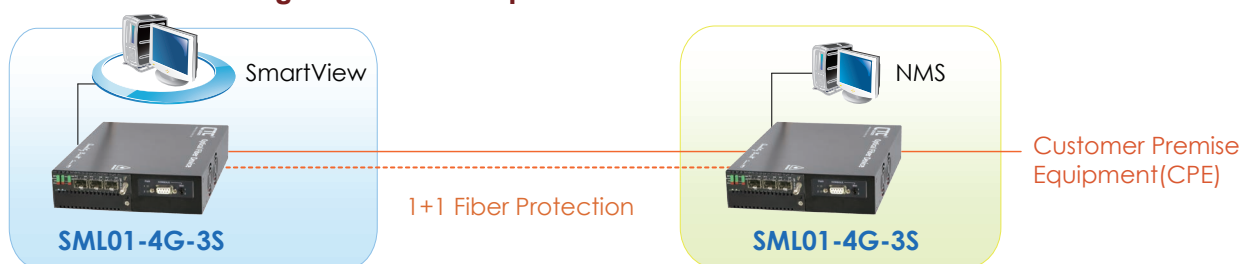
- Multiple protocol supported at bit rates 28Mbps to 4.25Gbps
- (Fast Ethernet, Gigabit Ethernet, OC-3, OC-6, OC-12, OC-24, OC-48, STM-1, STM-4 STM-16, FC-1, FC-2, FC-4)
- Network management via Web, Telnet, SNMP with NMC card inserted
- Local configuration via DB9 console port
- Digital diagnostic monitoring of SFP module
- Perform optical repeater function (Re-amplification, Re-shaping)
- Facility loopback on both Client / Line sides
- 1+1 optic fiber protection
- Link Fault Pass-Through (LFPT)
- Auto Laser Shutdown (ALS)
- Detect transceiver transmitter error alarm

### Specifications

<b>Optical Interface</b>	Connector	SFP LC	<b>Indications</b>	LED (PWR, Line Link, Client Link, Test, Loop back, Port Active, Alarm)
	Data rate	28Mbps to 4.25Gbps		<b>Power Input</b>
Regeneration	Re-amplification		<b>Power Consumption</b>	
	Re-shaping			<b>Dimensions</b>
Loop back	Line/Client		<b>Weight</b>	
Fiber	MM 62.2/125µm, 50/125µm.			<b>Temperature</b>
	SM 9/125µm		<b>Humidity</b>	
Wavelength	MM 850, 1310nm			<b>Certification</b>
	SM 1310, 1550nm		<b>MTBF</b>	
	WDM 1310T/1550R, 1550T/1310R			
		CWDM 1470 ~ 1610nm		

### Application

#### Managed 4G 2R Transponder with Fiber Protection



Client: Fast Ethernet, Gigabit Ethernet, OC-3, OC-6, OC-12, OC-24, OC-48, STM-1, STM-4 STM-16, FC-1, FC-2

### Ordering Information

Model Name	Description
SML01-4G-3S-AC, DC, AD	Console management, standalone 4G 2R transponder with AC, DC or AD (AC+DC) power
SML01-4G-3S-NM-AC, DC, AD	SNMP management, standalone 4G 2R transponder with AC, DC or AD (AC+DC) power

Note: SML01-4G-3S-AC, DC, AD = (FRM220-4G-3S) + (CH02M-AC, DC or AD)  
 SML01-4G-3S-NM-AC, DC, AD = (FRM220-4G-3S) + (CH02/SNMP-AC, DC or AD)

Power Type  
**SML01-4G-3S**    
 Example: SML01-4G-3S – AD