

SML01-10G-SS

10G 3R Transponder



The SML01-10G-SS is a 10G fiber to fiber 3R repeater and transponder. Based on a number of 10 Gigabit Fiber standards, these transponders support SFP+ to SFP+ (SS) fiber connections. The transponders are protocol transparent, providing 3R (Re-amplification, Re-shaping and Re-clocking) regeneration between these different optical module types. One of the major applications for this converter is in connecting proprietary transceiver equipment to CWDM or DWDM when these 'colored' optical modules are not available for the proprietary equipment. With transparent bi-directional forwarding capability between the 2 fiber media, the SML01-10G-SS brings you the best and simplest solution for your 10G conversion between fiber and fiber.

Features

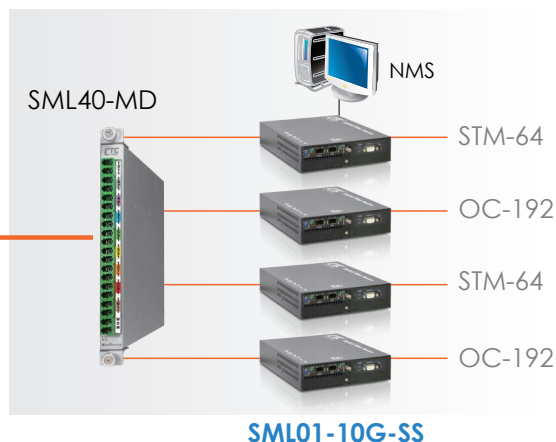
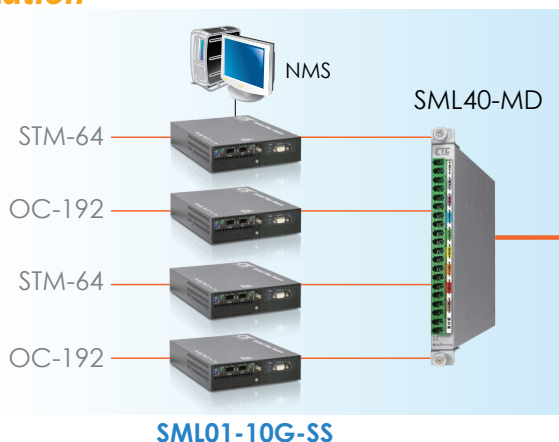
- Multiple protocol supported 10G Ethernet, STM-64, OC-192, G.709 OTU2, Fiber Channel (8 x FC)
- Network management via Web, Telnet, SNMP with NMC card inserted
- Protocol transparent 3R fiber media transponder / repeater (Re-amplification, Re-shaping and Re-clocking)
- Promotes flexibility and eases management with pluggable SFP+ transceiver
- SFP+ power supplies: +3.3V
- Features two 10G ports offering multiservice 10G transponder and regenerator function
- Provides superior optics capabilities resulting in extended transport distances for regional application.
- Extend 10G Ethernet transmission over fiber
- Useful as a 'Transponder' in CWDM or DWDM systems for 10G Ethernet/Fiber Channel/STM-64
- Supports Client / Line loop back tests
- Serial console for stand-alone management

Specifications

Optical Interface	Connector	LC, 1x Line SFP+ to 1x Client SFP+
	Traffic Format	OC-192/STM-64 (9.95328Gbps) 10 Gigabit Ethernet LAN(10.3125Gbps) G.709 OTU2 (10.709225Gbps) Fiber Channel 1xFC(1.062 Gbps); 2xFC(2.125 Gbps); 4xFC(4.25 Gbps); 8xFC(8.5 Gbps); 10xFC(10.51875 Gbps)
Regeneration		Re-amplification Re-shaping, Re-timing
Loopback		Line / Client
Fiber		SM 9/125µm MM 50/125µm or 62.5/125µm

Optical Interface	Wavelength	CWDM 1470 ~ 1610nm
		DWDM 1529.55 ~ 1565.50nm
Indications	LED (Power, Line Link, Client Link, Test, Loop back, Port Active, Alarm)	
Power Input	Standalone : AC, DC option	
Power Consumption	<10W	
Dimensions	155 x 88 x 23mm (D x W x H)	
Weight	150g	
Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)	
Humidity	10 ~ 90% non-condensing	
Certification	CE, FCC, RoHS compliant	
MTBF	65,000 hrs	

Application



Ordering Information

Model Name	Description
SML01-10G-SS-AC, DC, AD	Console management, standalone 10G 3R transponder with AC, DC or AD (AC+DC) Power
SML01-10G-SS-NM-AC, DC, AD	SNMP management, standalone 10G 3R transponder with AC, DC or AD (AC+DC) Power

Note: SML01-10G-SS-AC, DC, AD = (FRM220-10G-SS)+ (CH02M-AC, DC or AD)
SML01-10G-SS-NM-AC, DC, AD = (FRM220-10G-SS) + (CH02/SNMP-AC, DC or AD)

Power Type
SML01-10G-SS
 Example: SML01-10G-SS – AD