SML01-1000DS

1G (2R) Transponder

The SML01-1000DS is a fiber to fiber optical media converter and repeater that allows data rates up to 1Gbps. SML01-1000DS supports 2R regeneration, which consists of re-amplification and reshaping. This converter is compatible with fiber interfaces such as 100Mbps Fast Ethernet, 155Mbps STM-1, 4, Fiber Channel 1, 2, and OC3, 12, 24. The SML01-1000DS work as a stand-alone fiber converter. When the SML01-1000DS is placed in the 2-slot chassis with NMC card, the management can view the converter card's status, type and fiber link status.
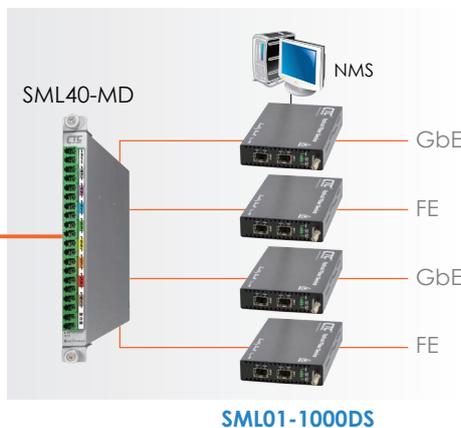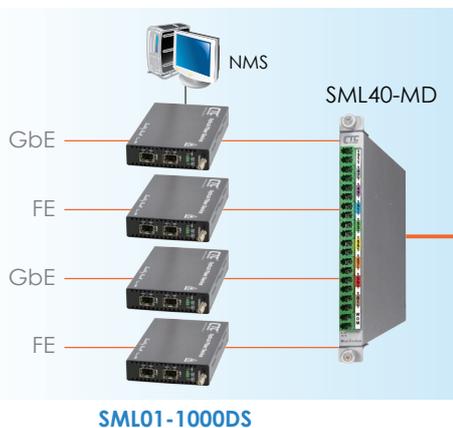
Features

- Transparent fiber media converter / repeater
- Data rate up to 1G
- Network management via terminal or SNMP in CH02 chassis
- Extend transmission from 2km to 120km over fiber
- Perform optical repeater function (Re-amplification & Reshaping)
- Digital diagnostic monitoring of SFP modules

Specifications

Optical Interface	Connector	SFP LC x 2
	Data rate	Up to 1G
	Duplex mode	Full duplex
	Fiber	MM 50/125μm, 62.5/125μm.
		SM 9/125μm
	Distance	MM 550m, 2km, SM 15/30/50/80/120km
		WDM 20/40/60km
	Wavelength	MM 1310nm, SM 1310,1550nm
		WDM 1310Tx/1550Rx (type A)
		1550Tx/1310Rx (type B)

Indications	LED (Power, FX-Link1, FX-Link2)
Power Input	Standalone : AC, DC (Option)
Power Consumption	< 5W
Dimensions	123 x 86 x 20mm (D x W x H)
Weight	130g
Temperature	0 ~ 50℃ (Operating), -10 ~ 70℃ (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC, RoHS compliant
MTBF	65,000 hrs

Application

Ordering Information

Model Name	Description
SML01-1000DS-AC, DC, AD	Console management, standalone 1G 2R transponder with AC, DC or AD (AC+DC) Power
SML01-1000DS-NM-AC, DC, AD	SNMP management, standalone 1G 2R transponder with AC, DC or AD (AC+DC) Powerr

Note: SML01-1000DS-AC, DC, AD = (FRM220-1000DS) + (CH01M-AC, DC or AD)
       SML01-1000DS-NM-AC, DC, AD = (FRM220-1000DS) + (CH02/SNMP-AC, DC or AD)

Power Type

SML01-1000DS – ☐☐

Example: SML01-1000DS – AD

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.