

# WDM - Transponder

## Dual Channel 1.25G/2.5G Transponder

### SML-TR12, SML-TR22



The transponder card converts a data signal to the correct wavelength for transmission on a specific CWDM channel. By supporting SFP optics on both line side and client side interfaces, the transponder provides a truly flexible and easy to deploy solution for all applications. The transponder supports 2R regeneration, which consists of re-amplification and reshaping.

#### Features

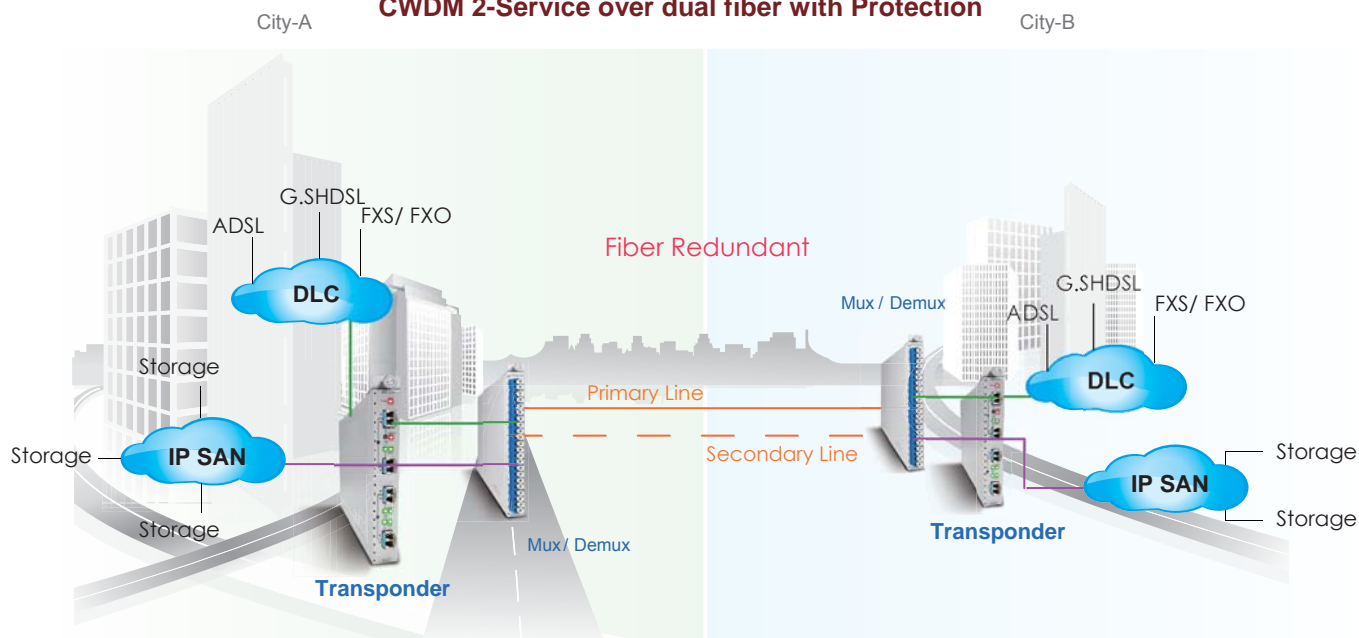
- 2R regeneration (Re-amplification and reshaping)
- Line rate support from 100Mbps up to 2.5Gbps
- Client Side Wavelengths: 851/ 1311/ 1551nm
- Line Side CWDM Wavelengths: 1471/ 1491/ 1511/ 1531 / 1551/ 1571/ 1591/ 1611nm
- Optical Connector: SFP-LC (On both Line & Client Side)

#### Specifications

Optical Interface :	Connector : SFP LC
	Data rate : 100Mbps, 1.25Gbps, 2.5Gbps
	Fiber : MM 62.2/125µm, 50/125µm.
	Distance : SM 9/125µm
	Wavelength : 850, 1311, 1471 ~ 1611nm
	Power, Link(Line), Link(Client), TX/Act, Loopback
Indication	12 VDC
Power Input	
Power Consumption	1channel <5W, 2 channel <10W
Dimensions	220 x 162 x 25mm (D x W x H)
Weight	0.9kg
Temperature	0°C ~ 50°C (Operating), -10°C ~ 70°C (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC, RoHS
MTBF	57,000 hrs

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### CWDM 2-Service over dual fiber with Protection



#### Ordering Information

Model Name	Type	Description
SML-TR12	NMC Card	1.25G, 2 Ch Transponder card
SML-TR22	NMC Card	2.5G, 2 Ch Transponder card

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Example: SML - TR12