



FRM220-TM-10GMux

7x 1 GE to 10G Muxponder

The FRM220-TM-10GMux is a 7x 1GE to 10G Muxponder. Based on TDM technology, the Muxponder transports seven separate Gigabit Ethernet data streams into a 10 Gbps SFP+ Based trunk port. This solution provides significant cost reduction and excellent fiber utilization when compared to CWDM optical multiplexing. The FRM220-TM-10GMux incorporates 7x 1GE SFP based access interfaces that can accommodate various types of SFP. Such as Multi-mode, Single mode and 1Gbps copper SFPs. The trunk port is a SFP+ 10Gbps permitting flexible connectivity options between the Muxponders either in a WDM system or directly between two devices. Two types of housings are available for installation in a 19" FRM220 chassis. 20 slots are provided by using the FRM220-CH20 chassis 2U while the 8 slots are provided by using FRM220-CH08 Chassis 1U. Both housings can be monitored and configured through SNMP, Web GUI or Telnet using a NMC management module.

Features

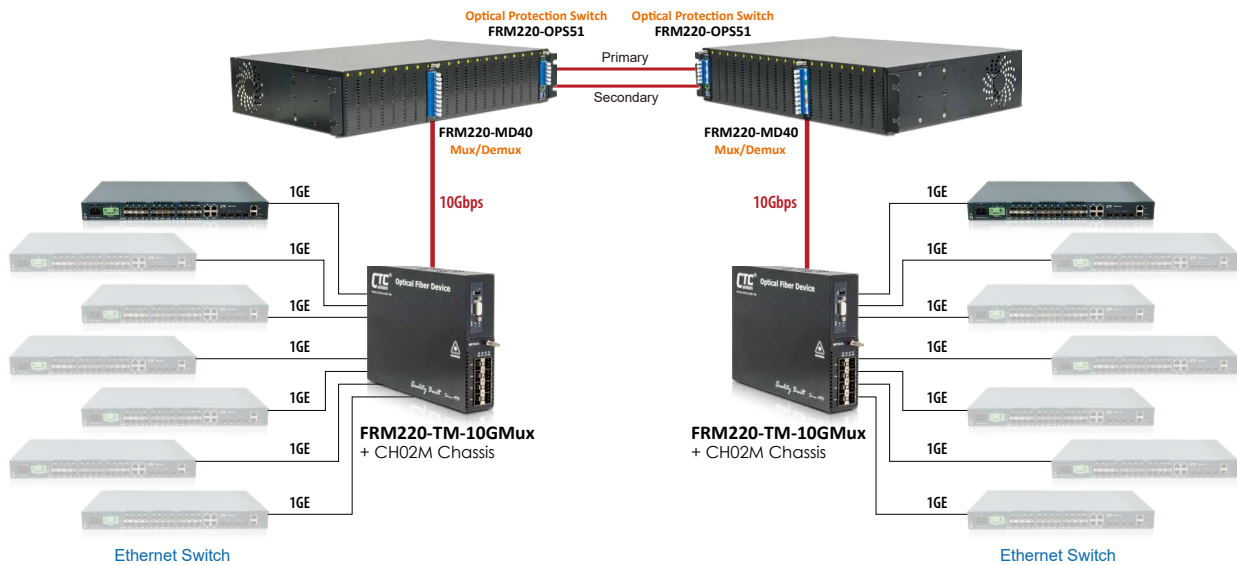
- 7x 1 GE to 10G
- 10 Gbps trunk port rate
- Network management via NMC
- Remotely activated local or remote loopback
- 7 independent 1 GE services over 10G trunk port
- Supports ITU-T C-band tunable DWDM SFP+ transceiver
- SFP+ digital diagnostics monitoring
- Hot swappable
- In-Band management

Specifications

Access Data Rate	1G Ethernet
Trunk Data Rate	10Gbps
Optical parameters	1.25G SFP/ 10G SFP+
Operating Temperature	0 ~ 55°C
Storage Temperature	-10 ~ 80°C

Relative Humidity	10 ~ 90% (non-condensing)
Dimension	159.5 × 42.1 × 88mm (D × W × H)
Weight	300g
Connectors	7x SFP-LC & 1x SFP+ LC
Power Consumption	12W

Application



Ordering Information

Model Name	Description
FRM220-TM-10GMux	7x 1GE (SFP) to 10G (SFP+) muxponder card (optional 10G SFP+ / GE SFP module)

Chassis Option

Model Name	Description
FRM220-CH20(HS)	2U 19", 20 slots rack mount chassis with high speed cooling fan and rack mounting kit
FRM220-CH20-AC	Chassis Power module 100~240 VAC, IEC connector, 200W
FRM220-CH20-DC48	Chassis Power module 36~72 VDC, 3 pin terminal block, 200W
FRM220-CH02M-AC/DC/AD	2-slot chassis with console port and AC, DC or AD power, with fan
FRM220-CH04A-AC/DC/AD	4-slot chassis with built-in AC, DC or AD power