

**NEW**



AKA: FRM220-MP7G1X

# 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 FRM220-CH08 1U supports up to 8 modules. Both housings can be monitored and configured through SNMP, Web GUI or Telnet using a NMC management module.

## Features

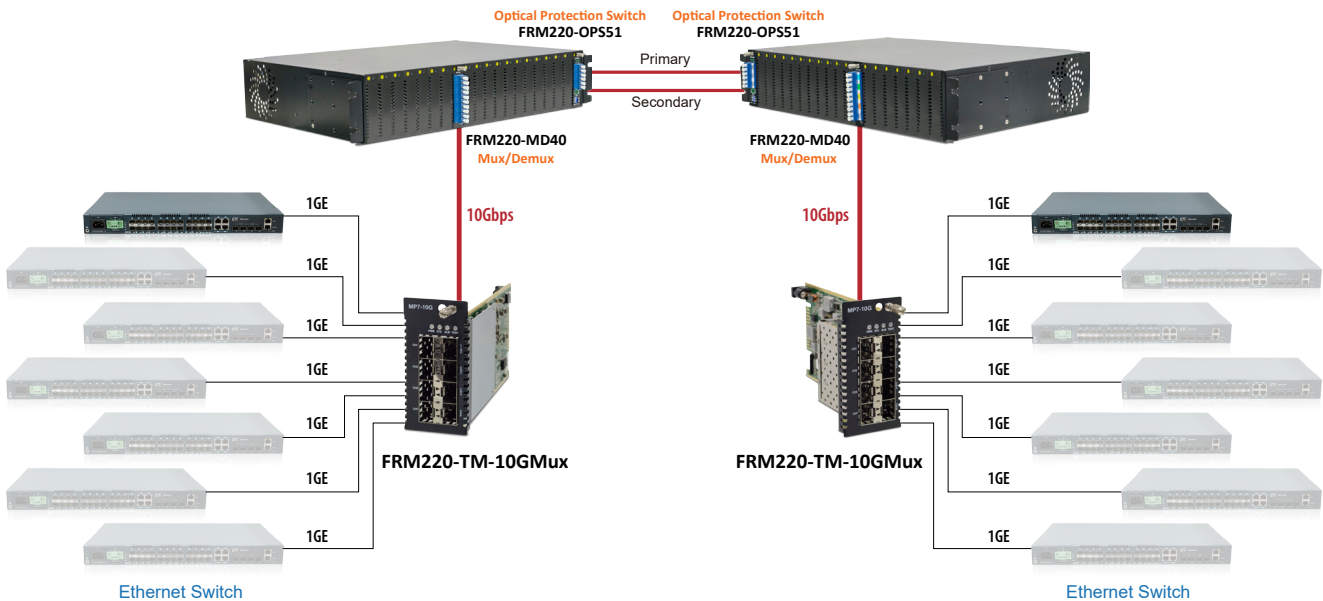
- 7x 1 GE to 10G
- 10 Gbps trunk port rate
- Network management via NMC
- Remotely activated local or remote loopback
- 7 independent 1 GE services over 10G trunk port
- Supports ITU-T C-band tunable DWDM SFP+ transceiver
- SFP+ digital diagnostics monitoring
- Hot swappable
- In-Band management

## Specifications

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

<b>Relative Humidity</b>	10 ~ 90% (non-condensing)
<b>Dimension</b>	Card: 155 x 46 x 88mm (D x W x H)
<b>Weight</b>	300g
<b>Connectors</b>	7x SFP-LC & 1x SFP+ LC
<b>Power Consumption</b>	12W

## Application



## Ordering Information

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

**Note:** This card MUST be placed in CH02M chassis with fan. For SNMP management, place this card in CH04A chassis.