

NEW



FRM220-100GE-2Q

100G QSFP28 to QSFP28 Transponder

The FRM220-100GE-2Q is a 100G QSFP28 to QSFP28 3R transponder that provides media conversion and distance extension for 100G Ethernet links. The FRM220-100GE-2Q is developed for high capacity and long-distance optical transport solutions. It is a highly integrated platform for providing a unified 100G optical transport layer, supporting various 100G client services including 100GBASE-LR4/100GBASE-ER4 and 100GBASE-SR4. The FRM220-100GE-2Q is hot-swappable with two QSFP28 sockets for 100G QSFP28 transceivers. The installation and setup are simple plug and play. The FRM220-100GE-2Q can be inserted into any powered FRM220- CH20, CH08, CH04 chassis or CH02M, CH02/SMT standalone chassis with QSFP28 transceivers required for the application.

Features

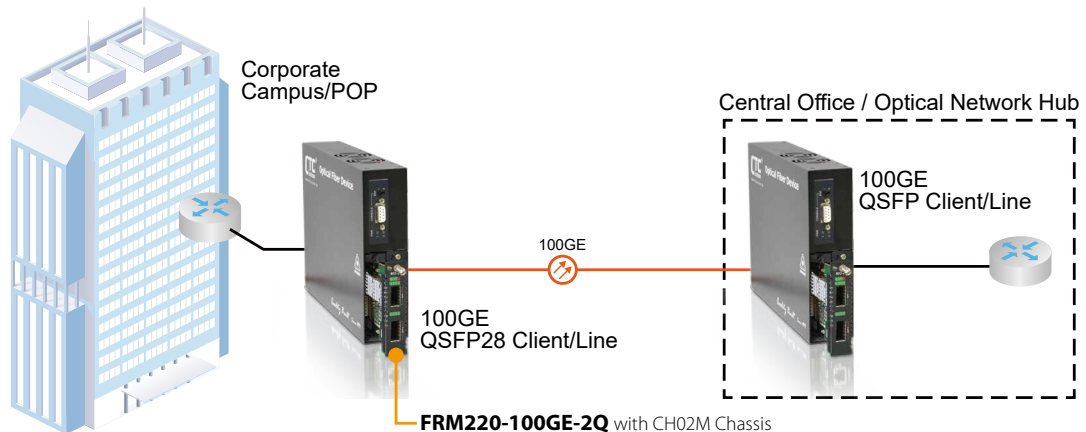
- Device management via FRM220 chassis with NMC
- Supports 100G repeater mode or Quad 25G optical multiplexer mode
- 100G link interface -- IEEE:100G QSFP28-SR4/LR4/ER4
- QSFP28 ports for flexibility and scalability
- Hot-swap support (module and interfaces)
- Supports 2x 100G QSFP28
- Supports DMI function for QSFP28 module
- Supports Loopback test function
- 3R function.

Specifications

Equipment function	3R Transponder (Regenerator, Reshaper, Retimer)
Protocol	100GbE
Forward Error Correction Modes	RS-FEC
Line Interface	QSFP28
Client Interface	QSFP28
Transmission Distance	Up to QSFP28 module

Power requirement	Power input 12VDC Power consumption: <18W
Work Environment	Operating Temperature 0 ~ 50°C Storage Temperature -10 ~ 70°C Humidity 5 ~ 90% (non-condensing)
Weight	300g
Dimension	Card : 155 x 20.8 x 88mm (D x W x H)

Application



Ordering Information

Model Name	Description
FRM220-100GE-2Q	100G 3R QSFP28 to QSFP28 transponder card

Note: This card MUST be placed in CH02M chassis with fan. For SNMP management, place this card in CH02/SMT chassis.