FRM220-100GE-2Q

100G QSFP28 Supports DCO Transceiver

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
- 100G link interface — IEEE:100G QSFP28-SR4/LR4/ER4
- QSFP28 ports for flexibility and scalability
- Hot-swap support (module and interfaces)
- Supports BERT test function
- Supports DMI function for QSFP28 module
- Supports Loopback test function
- Supports Auto laser shotdown
- Supports LFPT function
- Supports 100G QSFP28 DCO Transceiver

Specifications

Equipment function	3R Transponder (Regenerator, Reshaper, Retimer)	
Protocol	100GbE	
Forward Error Correction Modes	RS-FEC (100GbE)	
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 ~ 40℃
	Storage Temperature	-10 ~ 70℃
	Humidity	5 ~ 90% (non-condensing)
Weight	300g	
Dimension	159.5 × 20.8 × 88mm (D×W×H)	
Certification	CE, FCC	

Ordering Information

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

■ 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-AC	Chassis power module 90 ~ 264 VAC, IEC connector, 300W
FRM220-DC48	Chassis power module 36 ~ 60 VDC, 3 pin terminal block, 300W
FRM220-CH02M	2-slot chassis with console port, cooling fan and AC adapter
FRM220-CH02M-AC/DC/AD	2-slot chassis with console port and AC, DC or AD power, with fan
FRM220-CH02/NMC-AC/DC/AD	2-slot chassis with fan, managed via optional NMC card and with AC, DC or AD power
FRM220-CH02/SMT-AC/DC/AD	2-slot chassis with fan, managed via optional NMC card and with AC, DC or AD power plus fan/power alarm detection

Attention:

Please note that the maximum of 10 High Power Consumption cards can be inserted in CH20 chassis. They must be placed in the **EVEN** slots when inserted in CH20 chassis.

*High Power Consumption Cards: FRM220-100GE-2Q, 40G-2Q, 16G-3R, 10G-3R & 10GCM.