Managed Family

Managed slide-in card 3R 10G Transponder for FRM220

FRM220-10G

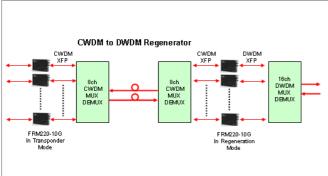




The FRM220-10G-xx is a series of managed 10G fiber to fiber 3R repeater/transponders. Based on a number of 10 Gigabit Fiber standards, these transponders support XFP to XFP (XX), SFP+ to XFP (SX), or SFP+ to SFP+ (SS) fiber connections. The transponders are protocol transparent, providing 3R regeneration between these different optical module types. One of the major applications for this converter is in connecting proprietary transceiver equipment to CWDM or DWDM when these 'colored' optical modules are not available for the proprietary equipment. With full duplex wire speed forwarding capability between the 2 fiber media, the FRM220-10G-xx brings you the best and simplest solution for your 10G conversion between fiber and fiber.

Features

- Multiple protocol supported 10G Ethernet, 10G FC, STM-64, OC-192
- Network management via Web, Telnet, SNMP in central FRM220-CH20 chassis
- Protocol transparent 3R fiber media transponder / repeater (Re-amplification, Re-shaping and Reclocking)
- Promotes flexibility and eases management with pluggable SFP+ or XFP transceiver
- Features two 10G ports offering multiservice 10G transponder and regenerator function
- Provides superior optics capabilities resulting in extended transport distances for regional application.
- Extend 10G Ethernet transmission over fiber
- Useful as a 'Transponder' in CWDM or DWDM systems for 10G Ethernet/Fiber Channel/STM-64
- Supports Client / Line loop back tests
- Serial console for stand-alone management When inserted in CH01M Single Slot Chassis



3R 10G Transponder SFP+ to SFP+

3R 10G Transponder SFP+ to SFP+

3R 10G Transponder SFP+ to XFP

3R 10G Transponder XFP+ to XFP

3R 10G Transponder SFP+ to SFP+

3R 10G Transponder SFP+ to XFP

3R 10G Transponder XFP to XFP

Optical Ports

Specifications

FULS	Interface	
		FRM220-10G-SS
	Connector	LC, 1x Line SFP to 1x Client SFP+
		FRM220-10G-XX
		LC, 1x Line XFP to 1x Client XFP FRM220-10GSX
		LC, 1x Line SFP+ to 1x Client XFP
	Traffic Format	OC-192/STM-64
		10 Gigabit Ethernet LAN
		10G FC (10.51875G)
		OTN G.709;
		OTU2 (10.709225G)
		Re-Amplification
	Regeneration	Re-Shaping
	nogonoration	Re-Timing
	Loopback	Line / Client
	Cable type	SM 9/125um
	Wavelength	CWDM 1470 ~ 1610nm
	-	DWDM 1529.55 ~ 1565.50nm
LED	PWR, Line Link, Client Link, Test, Loop back, Port Active, Alarm	
Power		DC 12V 1A
Power consumption		<18W
Dimensions (DxWxH)mm		n 155 x 88 x 23 mm
Weight		150g
Temperature		-10 ~ 60°C (Operating) -20 ~ 70°C (Storage)
Humidity		10 ~90% non-condensing
Certification		CE, FCC, LVD, RoHS
MTBF		75,000 h

Ordering Information

Line card

- FRM220-10G-SS 3R 10G Transponder SFP+ to SFP+ slide-in card FRM220-10G-SX 3R 10G Transponder SFP+ to XFP slide-in card FRM220-10G-XX 3R 10G Transponder XFP to XFP slide-in card
- Stand-alone
- FRM220-10G-SS-AC
- FRM220-10G-SX-AC
- FRM220-10G-XX-AC
- FRM220-10G-SS-DC
- FRM220-10G-SX-DC
- FRM220-10G-XX-DC
- FRM220-10G-SS-AD
- FRM220-10G-SX-AD
- FRM220-10G-XX-AD 3R 10G Transponder XFP+ to XFP

- 3R 10G Transponder SFP+ to XFP
- with built-in AC power with built-in AC power with built-in AC power with built-in DC power with built-in DC power with built-in DC power with built-in AC+DC power with built-in AC+DC power with built-in AC+DC power