



## FRM220-10GC-TS

### 10G Base-T to 10G Base-R SFP+ Media Converter

The FRM220-10GC-TS is a copper to fiber 10G Ethernet media converter based on IEEE802.3an and IEEE802.3ae. With SNMP and Web-based management in the FRM220, the Network administrator can monitor, configure and control the activity of each card in the chassis. This converter uses Cat.6a/Cat 7 twisted pair cable as copper transmission media with RJ-45 and 10G optical solution with SFP+ LC connector. The data stream can be converted bi-directionally from 10G Base-T to 10G Base-R and vice versa. With full duplex wire speed forwarding capability between these two media, the FRM220-10GC-TS brings you the best and simplest solution for the 10G Ethernet conversion between copper wire and fiber.

### Feature

- Network Management via FRM220 Chassis
- Complies with IEEE802.3an 10GBase-T and IEEE802.3ae 10GBase-R
- Real-Time conversion between 10GBase-T and 10GBase-R
- Common used SFP+ fiber interface and RJ45 connector
- Full duplex wire speed forwarding
- Forwarding 18k bytes jumbo packet
- Loopback Test
- Link Fault Pass Through
- Fiber Fault Alert
- IEEE 802.1q VLAN pass through
- Supports manual Dip Switch for quick set up

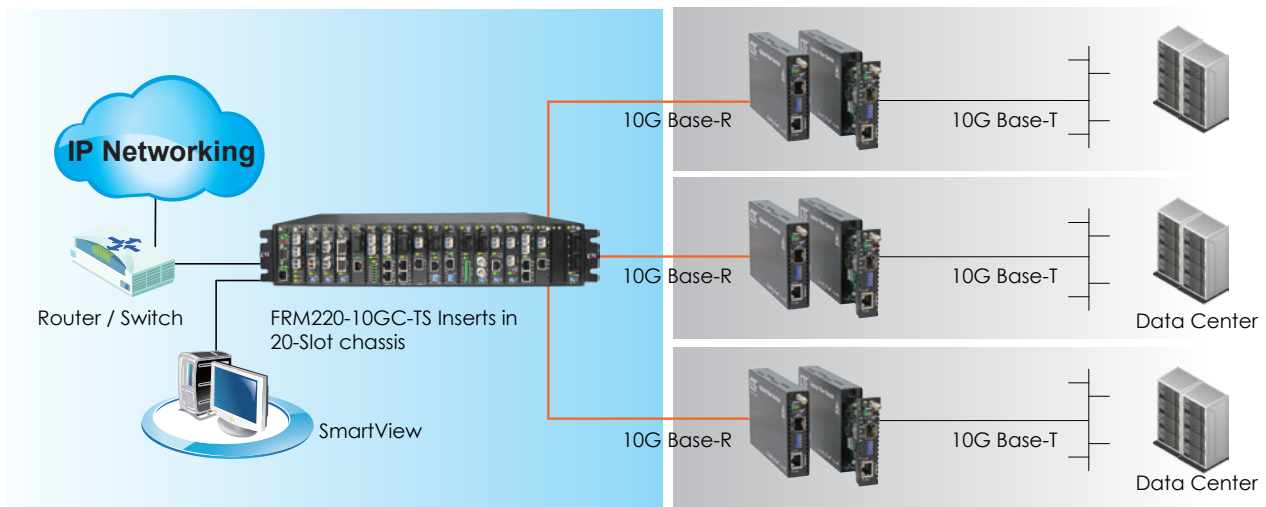
### Specifications

<b>Optical Interface</b>	Connector	SFP+ LC	<b>LEDs</b>	SFP+, LR, Link/Act, LBK A/B, SYS		
	Data rate	10.3125Gbps		<b>Power</b>	12VDC	
	Distance	300m, 10km, 40km, 80km			<b>Power Consumption</b>	< 12W
	Wavelength	1550nm, 1310nm, 850nm, WDM				<b>Dimensions</b>
<b>Electrical Interface</b>	Connector	RJ45	<b>Weight</b>		130g	
	Data rate	10Gbps		<b>Temperature</b>	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)	
	Cable type	Cat.6a, 7	<b>Humidity</b>		0 ~ 85% non-condensing	
	Distance	95 meters (Cat.7)		<b>Certification</b>	CE, FCC	
<b>Management</b>	Console port	RS-232 via CH01M, DIP Switch with CH01	<b>MTBF</b>		57,000 hrs	
	<b>Standards</b>	IEEE 802.3an, IEEE 802.3ae				

### Application

Central Office (CO)

Customer Premise Equipment (CPE)



### Ordering Information

Model Name	Description
FRM220-10GC-TS	10G Base-T RJ45 to 10G Base-R SFP+, with DIP switch (optional SFP+)