FEATURES

▷ Network Management via FMX220 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 I8k 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

APPLICATIONS

▷ IP and Broadcast Video
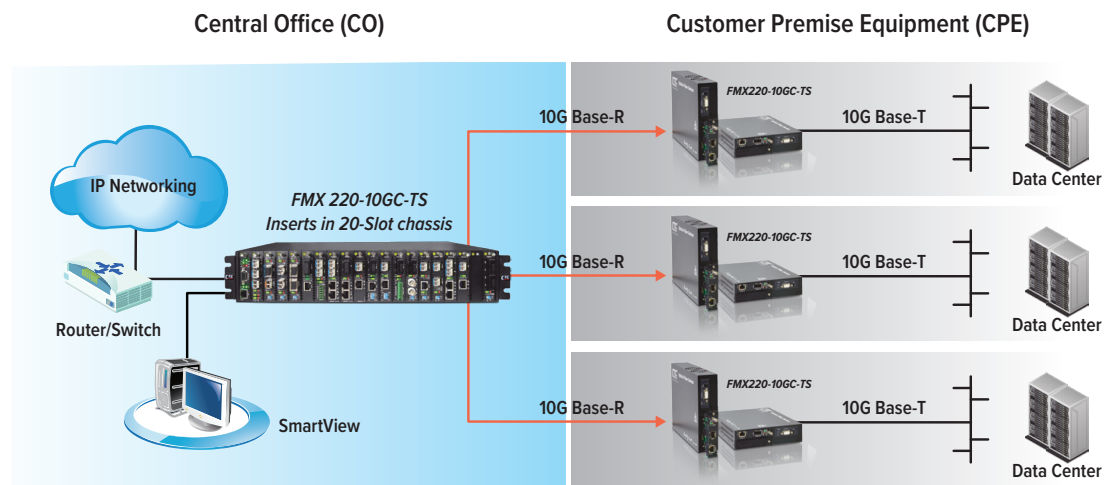
▷ Broadband networks

▷ WiFi Hot Spot link

The FMX220-10GC-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 FMX220, 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 FMX220-10GC-TS brings you the best and simplest solution for the 10G Ethernet conversion between copper wire and fiber.

APPLICATIONS

10G Media Conversion Application

Central Office (CO)

Customer Premise Equipment (CPE)

IP Networking

FMX 220-10GC-TS Inserts in 20-Slot chassis

Router/Switch

SmartView

FMX220-10GC-TS

10G Base-R   10G Base-T   Data Center

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www.MultiDyne.com

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TECHNICAL SPECIFICATIONS

Optical Interface

Connector	SFP+ LC
Data rate	10.3125Gbps
Distance	300m, 10km, 40km, 80km
Wavelength	1550nm, 1310nm, 850nm, WDM

Electrical Interface

Connector	RJ45
Data rate	10Gbps
Cable Type	Cat.6a, 7
Distance	95 meters (Cat.7)

Management

Console port	RS-232 via CH01M, DIP Switch with CH01
Standards	IEEE 802.3an, IEEE 802.3ae
LEDs	SFP+, LR, Link/Act, LBK A/B, SYS
Power	12VDC
Power Consumption	< 12W

Management

Console port	RS-232 via CH01M, DIP Switch with CH01

Overall

Dimensions (LxWxH)	Card: 155 x 20.8 x 88mm
Weight	130g
Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
Humidity	0 ~ 85% non-condensing
Certification	CE, FCC
MTBF	57,000 hrs

ORDERING INFORMATION

Point to Point Application

Model Name	Description
FMX220-10GC-TS	10G Base-T RJ45 to 10G Base-R SFP+, with DIP switch (optional SFP+) **Note: This Card MUST be placed in CH02M chassis. For standalone SNMP management, place this card in CH02/NMC or CH04A chassis.**
FMX220-CH02M-AD	AC+DC type 100~240VAC + 18 ~75VDC
ISFP-155M-LC20	155Mbps Module With DDM & Cisco Compatible
Contact the sales office for more SFP ordering details.	

Point to Multiple Point Applications:

Model Name	Description
FMX220-10GC-TS	10GBase-T to 10GBase-R SFP+ converter with dip switch, optional SFP+ module (model : SFS-10xx-xx)
FMX220-CH20	" 2U 19"", 20 slots Multi-Service Platform NMC card slide in 1st slot Hot swappable power and cards, AC/DC power redundancy"
FMX220-AC	Chassis power module 90 ~ 264 VAC (200W), IEC connector
FMX220-DC	Chassis power module 36 ~ 75 VDC (200W), 3 pin terminal block
FMX220-NMC	Network Management Control Card
FMX220-CH02M-AD	AC+DC type 100~240VAC + 18 ~75VDC

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