



In-Band Managed Multi-Service Platform FRM220-CH08



The FRM220-CH08 is a 1U high 19" Rack, 8 slot modular media converter rack. It provides an economic solution for fiber converter installations in enterprises or central offices. All critical components, power, management module and interface cards are hot swappable, allowing online field replacement. The hot-swappable power modules can be chosen from AC100-240V, DC18-36. or DC 36-75V. The chassis also has alarm relays. Management is supported by installing an NMC card into slot#1. A number of cards are available that support different protocols including Ethernet, Voice, Data, transponders, FOM and IMUX.

Features

- 1U 19" 8-slot Chassis with AC/DC power redundancy
- Chassis backplane consists of passive components
- All modules and cards support hot-swapping
- Two alarm relays

Specifications

Connectors :

- Console RS232(DB9)
- LAN 10/100 Base TX RJ45

Physical Specifications :

- Dimensions(W x D x H):
440mm x 310mm x 44mm
- Weight: 3.5kg w/o P/S

Environmental Specifications :

- Operating 0°C ~ 60°C
- Storage -10°C ~ 70°C
- Relative humidity 5% ~ 90% non-condensing
- Predicted MTBF : 65,000 hrs

Power Characteristics :

- AC : 100 ~ 240VAC ,150W
- DC24 : 18 ~ 36VDC, DC48: 36 ~ 75VDC, 150W

Certification :

- FCC class A, VCCI class A, CE, RoHS

Power Redundancy

The two FRM220-CH08 chassis power supplies are hot swappable and modular. Installing two into a chassis provides redundancy should a single power supply fail. A fully loaded chassis can run continuously with only one power module fitted into the chassis.

Cooling Fan

To further increase system reliability, the FRM220-CH08 chassis is fitted with two fixed fans on each power unit. The fans rotate speed status can be shown through NMC management.

Network Management

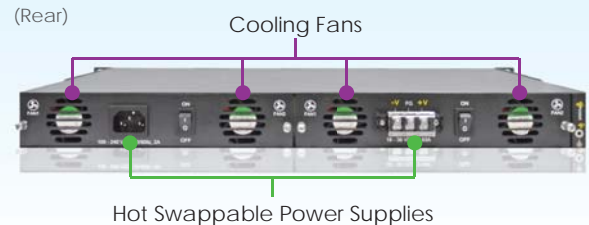
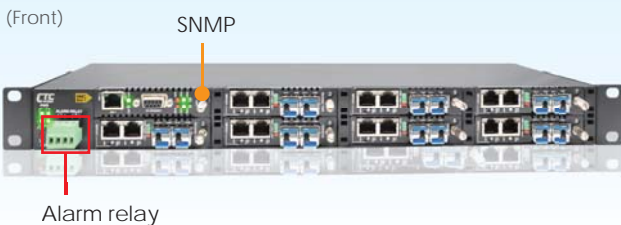
The FRM220-CH08 chassis requires an NMC (Network Management Controller) card which must be installed into the first slot of chassis. The NMC card allows a network administrator the ability to configure and monitor the status of the blades.

Management can be achieved locally over RS232, or over the network by Telnet, Web or SNMP If the blades support Ethernet in the First Mile (IEEE 802.3ah), then the management module can also configure and monitor the status of a remote CPE.

Protocol Support

The FRM220-CH08 chassis has been designed as a Multi-service platform. This allows network administrators to deploy the chassis in a wide range of networks. Technologies supported by the chassis included Fast/Gigabit Ethernet, E1/T1, V35/X21/RS530, Serial RS485/422, Voice FXO/FXS, Repeater, Fiber Multiplexer, E1 Inverse Multiplexer and 10G, 2.7G Transponders.

Chassis Overview



Ordering Information

Chassis	Type	Power(option)
FRM220-CH08	Chassis	1U 8 slots rack mount chassis with 8 line card blank plate
FRM220-CH08-AC	Power	Chassis power module 100 ~ 240 VAC, IEC connector
FRM220-CH08-DC24	Power	Chassis power module 18 ~ 36 VDC, 3 pin terminal block
FRM220-CH08-DC48	Power	Chassis power module 36 ~ 72 VDC module, 3 pin terminal block

Example: FRM220 – CH08

Example: FRM220 – CH08 – DC24