

## Network Management Controller

# FRM220-NMC



The FRM220-NMC is a Network Management Controller card that can be placed in a compatible FRM220 series chassis to provide network management functions. The management interface supports a local RS-232 serial console or remote TCP/IP management by Telnet, HTTP or SNMP protocols. The card is designed to be hot swapped so that it may be field replaced without affecting any online service of any other rack cards. The card also supports online firmware upgrade from TFTP server, using any user interface. Support for any standard NMS is provided by the included enterprise MIB file. CTC Union also provides and maintains their own EMS (Element Management System) which is a Java based client/server manager for monitoring and maintaining a large number of network elements over a long period of time.

### Features

- Supports local / remote monitor and configuration
- Supports local / remote online TFTP f/w upgrade
- Fiber transceiver status & info display
- Supports multiple accesses for SNMP management
- Supports Web GUI management, Telnet, Serial console
- Supports console RS-232 port and 10/100Base-T Ethernet port
- Supports SNMP standard MIB II and enterprise MIB
- Supports NTP time synchronization
- Supports syslog
- Supports 255 entries system log

### Specifications

Electrical  
Interface  
Management  
Interface

OAM/IP

Indications  
Dimensions  
Weight  
Temperature  
Humidity  
Certification  
MTBF

- Console RS232 port
- LAN 10/100Base-TX
- In-band management: provide all system OAM/IP functions: software updates, and management system interaction through Ethernet port.
- Out-band management: supports Web, Telnet and SNMP , EMS management
- Configuration Management
- Performance Management
- Fault Management
- Status Monitoring
- PWR, Fan, Alarm Act, STK, LAN LNK/SPD
- 155 x 88 x 23mm (D x W x H)
- 0.12kg
- 0 ~ 60°C (Operating) , -10 ~ 70°C (Storage)
- 10 ~9 0% non-condensing
- CE, FCC, LVD, RoHS
- 65,000 hrs



### Ordering Information

Model Name	Description
FRM220-NMC	Network Management Controller card, support web, telnet, console, SNMP functions

Note: The card is suitable for using in CH01 standalone chassis.