

# iACCESS Multi-Service Platform (FRM220 Series)

The FRM220 series chassis solution of CTC Union Technologies is a multi-service chassis platform, which provides an economic and reliable solution in high density media converter module installation for applications oriented market such as telecom operator, enterprise, long haul transmission and factory automation. All of critical components of FRM220 series chassis solution such as power module, fans, management module and interface cards are hot swappable, allowing online field replacement.

## In-Band Managed Multi-Service Platform



### Features & Benefits

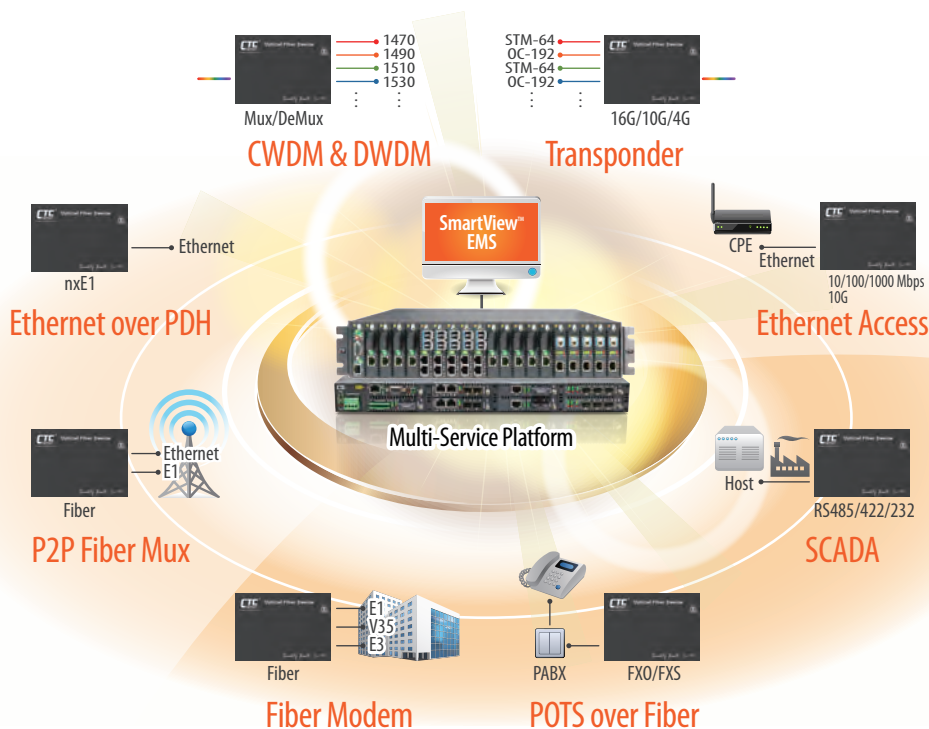
#### In-band management

FRM220 chassis solution supports in-band management function to enable network administrator easily monitoring and configuring both local and remote Ethernet modules without truck roll to save the OPEX for operators.

#### All modules and interface cards are hot swappable

In case any component module or interface card is required to swap, the system can be performed in-service replacement without network connection interruption required.

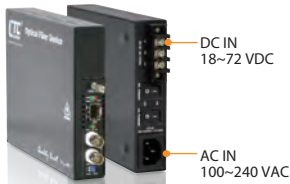
### Module Cards for Deployment Scenarios



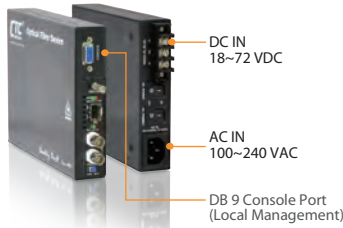
# Standalone Chassis Options as Remote CPE Solution

## Power Build-in Type

FRM220-CH01



FRM220-CH01M

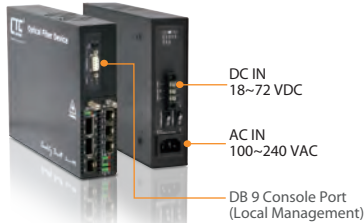


## AC Adapter Type

FRM220-CH01

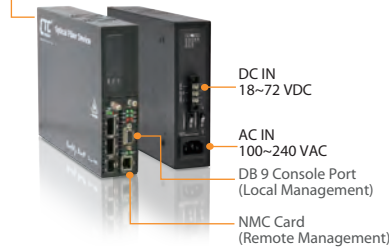


FRM220-CH02M & CH02M-2



- Cooling Fan (CH02M) : 30 Watt
- Fanless (CH02M-2) : 12 Watt

FRM220-CH02/NMC

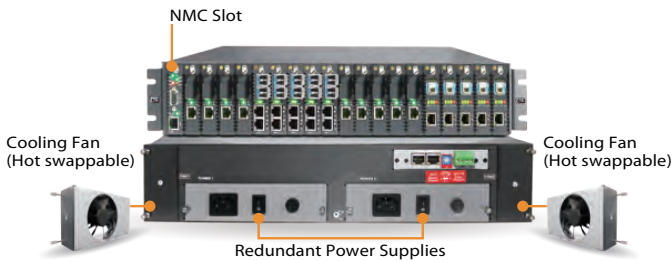


FRM220-CH02

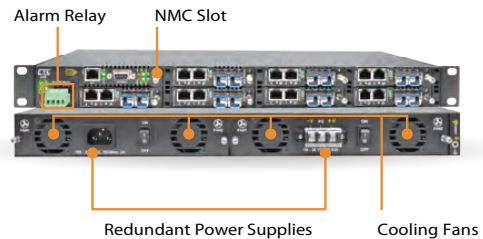


## Chassis Cascaded for Centralized Management

▪ FRM220-CH20 (2U 19" 20 Slots)



▪ FRM220-CH08 (1U 19" 8 Slots)



▪ FRM220-CH04A (1U 4 Slots)



## FRM220 Standalone Selection Table

| Model Name  | Slot | NMC Card Slot | Console Port | Adapter Type        |            | Power Built-In Type |                                     | Cooling Fan | Fan-less | Power Module |
|-------------|------|---------------|--------------|---------------------|------------|---------------------|-------------------------------------|-------------|----------|--------------|
|             |      |               |              | 100~240VAC to 12VDC | 100~240VAC | 18~72VDC            | Dual Power<br>100~240VAC & 18~72VDC |             |          |              |
| CH01        | 1    |               |              | ✓                   |            |                     |                                     |             | ✓        | 12W          |
| CH01-AC     | 1    |               |              |                     | ✓          |                     |                                     |             | ✓        | 12W          |
| CH01-DC     | 1    |               |              |                     |            | ✓                   |                                     |             | ✓        | 12W          |
| CH01-AD     | 1    |               |              |                     |            |                     | ✓                                   |             | ✓        | 12W/12W      |
| CH01M-AC    | 1    |               | ✓            |                     | ✓          |                     |                                     |             | ✓        | 12W          |
| CH01M-DC    | 1    |               | ✓            |                     |            | ✓                   |                                     |             | ✓        | 12W          |
| CH01M-AD    | 1    |               | ✓            |                     |            |                     | ✓                                   |             | ✓        | 12W/12W      |
| CH02        | 2    |               |              | ✓                   |            |                     |                                     |             | ✓        | 30W          |
| CH02M-AC    | 2    |               | ✓            |                     | ✓          |                     |                                     | ✓           |          | 30W          |
| CH02M-DC    | 2    |               | ✓            |                     |            | ✓                   |                                     | ✓           |          | 30W          |
| CH02M-AD    | 2    |               | ✓            |                     |            |                     | ✓                                   | ✓           |          | 30W/30W      |
| CH02M-2-AC  | 2    |               | ✓            |                     | ✓          |                     |                                     |             | ✓        | 12W          |
| CH02M-2-DC  | 2    |               | ✓            |                     |            | ✓                   |                                     |             | ✓        | 12W          |
| CH02M-2-AD  | 2    |               | ✓            |                     |            |                     | ✓                                   |             | ✓        | 12W/12W      |
| CH02/NMC-AC | 2    | ✓             |              |                     | ✓          |                     |                                     | ✓           |          | 30W          |
| CH02/NMC-DC | 2    | ✓             |              |                     |            | ✓                   |                                     | ✓           |          | 30W          |
| CH02/NMC-AD | 2    | ✓             |              |                     |            |                     | ✓                                   | ✓           |          | 30W/30W      |
| CH04A-AC    | 4    | ✓             |              |                     | ✓          |                     |                                     | ✓           |          | 65W          |
| CH04A-DC    | 4    | ✓             |              |                     |            | ✓                   |                                     | ✓           |          | 50W          |
| CH04A-AD    | 4    | ✓             |              |                     |            |                     | ✓                                   | ✓           |          | 65W/50W      |

### How to order:

- DIP Switch Configuration Order: CH01 and CH02
- Local Console Management Order: CH01M, CH02M and CH02M-2\*M\* means the chassis with Console Management.
- Remote Web / SNMP Management Order: CH02 / NMC, CH04A
- Power Type: AD = AC + DC Power

### Note:

- NMC card not included in CH02/NMC & CH04A chassis, it must purchase separately

The specification and pictures are subject to change without notice.