Standalone Chassis for FRM220 Series

The FRM220 product line includes various metal chassis sizes, which can hold from one to twenty FRM220 slide-in modules. The FRM220-CH01 is one slot chassis, which can be installed with one single width blade card for stand-alone applications. The available power options are external AC adapter, built-in AC, DC power or built-in AC+DC, AC+AC, DC+DC redundant power. The FRM220-CH01M is one slot chassis with DB9 console port for local management on supported cards, which can be installed with one single width blade card for stand-alone applications. The available power options are built-in AC, DC or built-in AC+DC redundant power. The FRM220-CH02 is a two slot chassis, which can be installed with one double width blade card for stand-alone applications. The only available power supply option is an external AC adapter. The FRM220-CH02M is a two slot chassis with DB9 console port for local management, which can be installed with either one or two single width blade cards or one double width blade card. The available power supplies are built-in AC, DC or AC+DC redundant power. The FRM220-CH02/NMC(SNMP) is a two slot chassis and can be SNMP managed when installing one FRM220-NMC card for Web, Telnet, Console and SNMP management. The FRM220-CH02/NMC(SNMP) should always be used with an NMC card for management and one single width blade card. The FRM220-CH02/NMC(SNMP) available power options are built-in AC, DC or AC+DC redundant power.

1 Slot Chassis

FRM220-CH01

• Adapter Type

• Power Build-in Type

DC IN
18~72 VDC

AC IN
100~240 VAC

DC Jack
12 VDC

FRM220-CH01M

• Power Build-in Type

DC IN
18~72 VDC

AC IN
100~240 VAC

DB 9 Console Port
(Local Management)

2 Slots Chassis

FRM220-CH02

• Adapter Type

DC Jack
12 VDC

FRM220-CH02M/CH02M-2

• Power Build-in Type

DC IN
18~72 VDC

AC IN
100~240 VAC

DB 9 Console Port
(Local Management)
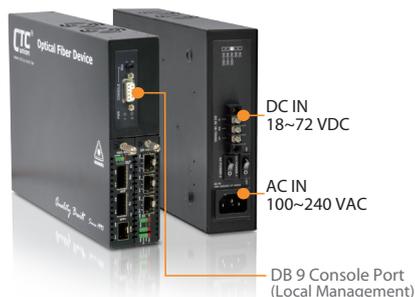
• Cooling Fan (CH02M) : 30 Watt
• Fanless (CH02M-2) : 12 Watt

FRM220-CH02/NMC(SNMP)

• Power Build-in Type

DC IN
18~72 VDC

AC IN
100~240 VAC

DB 9 Console Port
(Local Management)

NMC Card
(Remote Management)

Features

- Fanless (CH01, CH01M, CH02, CH02M-2)
- Cooling Fan (CH02M & CH02/NMC(SNMP))
- Supports DB9 console port for local management (CH01M ,CH02M)
- Telnet, Web, Console, SNMP management via NMC Card (not included) (CH02/NMC(SNMP))

- Power Type:
  - External Power: DC12
  - Internal Power: AC, DC, AD, AA or DD redundant power (option)

Specifications

Power Input (Option)	External Adapter	Input Voltage 100~240VAC 50/60Hz
		Output Voltage 120VDC 1A
	Internal Power	AC: 100~240VAC
		DC: 18~72VDC
Weight	0.5~0.8kg (CH01) , 0.9kg (CH01M)	
	0.8kg (CH02) , 1.3kg (CH02M) , 1.2kg (CH02M-2) , 1kg (CH02/NMC(SNMP))	

Dimensions (D x W x H)	External Adapter	160 x 88 x 24mm (CH01)
		139 x 88 x 44mm (CH02)
	Internal Power	180 x 135 x 35mm (CH01)
		201 x 135 x 35mm (CH01M)
		220 x 168 x 45mm (CH02M, CH02M-2, CH02/NMC(SNMP))

FRM220 Slide-In Card Chassis Order Information

Model Name	Description
CH01	1 Slot Chassis with 100 ~240VAC to 12VDC Adapter, Fanless
CH01-AC, DC, AD	1 Slot Chassis with AC: 100 ~240VAC DC: 18 ~72VDC or Dual Power (AC+DC), Fanless
CH01M-AC, DC, AD	1 Slot Chassis with **Console** port and AC: 100 ~240VAC, DC: 18 ~72VDC or Dual Power (AC+DC), Fanless
CH02	2 Slots Chassis with 100 ~240VAC to 12VDC Adapter, Fanless
CH02M-AC, DC, AD	2 Slots Chassis with **Console** port and AC: 30W 100 ~240VAC, DC:30W 18 ~72VDC or Dual Power (AC+DC), with Cooling Fan
CH02M-2-AC, DC, AD	2 Slots Chassis with **Console** port and AC:12W 100 ~240VAC, DC:12W 18 ~72VDC or Dual Power (AC+DC), Fanless
CH02/NMC(SNMP)-AC, DC, AD	2 Slots Chassis with NMC card and AC:100 ~240VAC, DC:18 ~72VDC or Dual Power (AC+DC), with Cooling Fan

How to order

1. Local Console Management Order: CH01M, CH02M and CH02M-2
2. Remote Web/SNMP Management Order: CH02/NMC(SNMP)
3. DIP Switch Configuration Order: CH01 and CH02
4. Model name with "**M**", it means the chassis with Console Management

FRM220 – ☐☐☐☐ – ☐☐
Example: FRM220 – CH01–AD

Power Type
FRM220 – CH02/NMC(SNMP) – ☐☐
Example: FRM220 – CH02/NMC(SNMP) – AD