FRM220 Stand-alone Chassis Overview

The FRM220 Chassis 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 dual power. The FRM220-CH01M is one slot chassis with DB9 console port for local management, 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 dual 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 dual power.The FRM220-CH02/NMC is a two slot chassis and the FRM220-CH04/NMC is a four slot chassis. Both chassis can be SNMP managed when installing one FRM220-NMC card for Web, Telnet, Console and SNMP management. The FRM220-CH02/NMC and FRM220-CH04/NMC can be installed with either one or two single width blade cards or one double width blade card. The FRM220-CH02/NMC available power options are built-in AC, DC or AC+DC dual power. The FRM220-CH04/NMC is only available with external AC adapter.

FRM220 One Slot Chassis
FRM220- CH01

Features

- One slot chassis for FRM220 Single width blade line cards.
- Available in six types: external power adapter or power built-in AC, DC, AC+DC, AC+AC or DC+DC.
- Fanless
- Dimensions
  external adapter: 160 x 88 x 24mm (D x W x H)
  internal power: 180 x 135 x 35mm (D x W x H)

Power Input

- External adapter:
  Input voltage 100 ~ 240VAC 50/60Hz
  Output voltage 12VDC 1A
- AC power   100 ~ 240VAC
- DC power   24VDC, 48VDC, 72VDC

Ordering Information

Line card model   Power type

FRM220- ☐☐☐☐☐ **-CH01-** ☐☐☐☐☐

Example: FRM220-10/100i-CH01-AC

- DC12 : AC adapter
- AC   : AC power
- DC   : DC power
- AD   : AC+DC power
- AA   : AC+AC power
- DD   : DC+DC power

FRM220 One Slot Chassis with Console port
FRM220-CH01M

Features

- One slot chassis for FRM220 Single width blade line cards.
  (include: E1/T1, Data, 10/100i, iMax5/ 8/ 16,Eoe1, E1/Data)
- Supports DB9 console port for Local management
- Available in three types: power built-in AC, DC, AC+DC.
- Fanless
- Dimensions : 201 x 135 x 35mm (D x W x H)

Power Input

AC power   100 ~ 240VAC
DC power   24VDC, 48VDC, 72VDC

Ordering Information

Line card model   Power type

FRM220- ☐☐☐☐☐ **-CH01M-** ☐☐☐☐☐

Example: FRM220-10/100i -CH01M-AC

- AC : AC power
- DC :DC power
- AD : AC+DC power

FRM220 Two Slot Chassis
FRM220-CH02

Features
- Two slot chassis for FRM220 line cards. (include: FOM04, iMUX16, MD50/80)
- Supports one double width blade card.
- Power type: external power adapter
- Fanless
- Dimensions : 139 x 88 x 44mm (D x W x H)

Power Input
Power adapter :
Input voltage 100 ~ 240VAC 50/60Hz, Output voltage 12VDC 1A

Ordering Information
FRM220-CH02-☐☐☐☐☐ Power type
DC12 : chassis for one AC adapter
Example：FRM220-CH02-DC12

FRM220 Two Slot Chassis with Console port
FRM220-CH02M

Features
- Two slot chassis for FRM220 line cards. (include: 10G, 2.7G, iMUX16, FOM04)
- Supports backplane connection between two slots
- Supports DB9 console port for local management
- Supports either one or two single width blades or one double width blade. Available in three types: built-in AC, DC, AC+DC.
- Cooling Fan
- Dimensions : 220 x 168 x 45mm (D x W x H)

Power Input
AC power: 100 ~ 240VAC, DC power: 24VDC, 48VDC, 72VDC

Ordering Information
FRM220-CH02M-☐☐☐☐☐ Power type
AC : AC power
DC : DC power
AD : AC+DC power
Example：FRM220-CH02M-AC

FRM220 SNMP manageable Two Slot Chassis
FRM220-CH02/NMC

Features
- Two slot chassis for FRM220 line cards
- Supports backplane connection between two slots
- Telnet, Web, Console, SNMP manageable via NMC card
- Supports either one or two single width blades or one double width blade. Available in three types: built-in AC, DC, AC+DC.
- Cooling Fan
- Dimension : 220 x 168 x 45mm (D x W x H)

Power Input
AC power: 100 ~ 240VAC, DC power: 24VDC, 48VDC, 72VDC

Ordering Information
FRM220-CH02/NMC-☐☐☐☐☐ Power type
AC : AC power
DC :DC power
AD : AC+DC power
Example：FRM220-CH02/NMC-AC

FRM220 SNMP manageable Four Slot Chassis
FRM220-CH04/NMC

Features
- Four slot chassis for FRM220 line cards
- Supports backplane connection between four slots
- Telnet, Web, Console, SNMP manageable via NMC card
- Supports one to four single width blades or two double width blades.
- Available with external power only
- Fanless
- Dimension : 162 x 87 x 88mm (D x W x H)

Power Input
Power adapter:
Input voltage: 100 ~ 240VAC 50/60Hz, Output voltage: 12VDC 2A

Ordering Information
FRM220-CH04/NMC-DC12: 4 Slot Chassis with external adapter