DATA SHEET

R.F. MOTE
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Your Technology Platform, Protected

RFM2 Cabinet System

The RFM2 Cabinet is a reliable and economical cabinet solution that supports rack-mount server, storage and network equipment in data centers and enterprise facilities.

Optimal Airflow Management
Design includes airflow management features and accessories, such as the Air Dam Kits and 78% perforated doors.

Cable Openings
Large brush-covered cable openings in the top panel provide easy access for overhead cabling.

High Static Load Rating
Robust design supports up to 1360 kg (3000 lb) static load.

Lockable Side Panels
One-piece side panels provide quick access to equipment and cables.

KEY FEATURES

- Cabinet solution adaptable to server, network and mixed-use applications
- Supports up to 1360 kg (3000 lb) of equipment
- Standard configuration includes perforated front and rear doors to support front-to-rear airflow
- Sized to match industry standards
- Thermal, power and cable management accessories available

USE WITH

- Air Dam Kit
- Full Height PDU Mounting Brackets
- Finger Style Cable Manager
- Cable Lashing Bracket
- Cage Nut Hardware

RELATED PRODUCTS

- Snap-In Filler Panels
- Rack-Mount Shelf
- eConnect® PDU

SPECIFICATIONS

Description	Free-standing equipment cabinet provides front and rear support for 482.6 mm (19"W) EIA rack-mount equipment and shelves
Environment	For indoor use only, in environmentally controlled areas; do not use in harsh environments
Frame Includes	• Welded steel four-post frame • Equipment mounting rails, two pairs • Factory installed grounding/bonding system • Leveling feet and baying kit • Solid top panel with four brush-covered cable access ports • Perforated metal front and rear doors • Solid metal side panels • 24 x 1/4-20 Cage Nuts and Screws
Load Capacity	1360 kg (3000 lb), stationary on leveling feet
Equipment Space	See Height, Width and Depth tables under ordering information
Material Construction	Steel; welded frame, mounting rails screw to frame
Grounding/Bonding	Side panels and doors are electrically bonded to the cabinet frame; grounding locations are provided on the cabinet frame
Finish	Powder coat paint
Certifications	• EIA-310 Compliant • UL Listed 2416
Doors/Latches	• Front door is 78% perforated metal • Rear door is 78% perforated metal • Swing handle latch with keyed lock • Easy to remove; reversible to open from the right or left

MADE IN CANADA • FABRIQUÉ AU CANADA

Availability: Canada

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SPECIFICATIONS

Doors/Latches	• Front door is 78% perforated metal • Rear door is 78% perforated metal • Swing handle latch with keyed lock • Easy to remove; reversible to open from the right or left
Side Panels	Solid, one-piece panels (full-depth) with recessed locks located near the top, center of the panel
Top Panel	Solid top panel with four rectangular 100 mm x 225 mm (3.9"W x 8.9"D) brush-covered cable openings (one per corner)
Equipment Support	•Two pairs of equipment mounting rails in the cabinet • Adjustable depth; rails bolt into slotted frame depth members • Marks on frame for easy vertical alignment • 44.45 mm (1.75"H) rack-mount unit U spacing, marked and numbered bottom-to-top on all rails • Universal, 19"W, 15.9 mm – 15.9 mm – 12.7 mm (5/8" - 5/8" - 1/2") vertical hole spacing complies with EIA/ECA-310-E • Square-punched mounting holes accept standard cage nuts

The RFM2 Cabinet System is an easy-to-use, computer and network equipment storage cabinet that complies with data center, computer room and premise network equipment room requirements. The RFM2 Cabinet is available in 24 popular frame sizes.

The RFM2 Cabinet supports up to 1360 kg (3000 lb) of equipment load. Equipment mounting rails are infinitely adjustable in depth, via the slotted depth members. Every cabinet includes a top panel, front and rear doors, side panels and leveling feet.

The RFM2 Cabinet is configured standard with perforated metal front and rear doors to support front-to-rear airflow in traditional hot aisle/cold aisle containment applications. The standard configuration features a solid top panel with four brush-covered openings for cable access (one per corner). The side panel is a one-piece panel.

Create a cabinet solution that fits your needs by selecting specific thermal, cable and power management accessories. Contact your local CPI Regional Sales Manager or R.F. Mote Technical Support at: info@rfmote.com or 1-905-884-5250, for complete product details.

DIMENSION TABLES

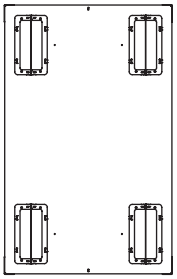
Height Dimensions – mm (in)				
Rail Height	42U	45U	48U	52U
Overall Height, Frame Only	2032 (80.0)	2156 (84.9)	2290 (90.1)	2466 (97.1)
Overall Height, Leveling Feet included	2035 (80.2)	2159 (85.0)	2293 (90.3)	2471 (97.3)

Width Dimensions – mm (in)			
Nominal Width	24"	30"	31.5"
Overall Width	610 (24)	762 (30)	800 (31.5)
Frame Opening, Front	491 (19.4)	644 (25.4)	683 (26.9)
Panel Width	482.6 (19"EIA)	482.6 (19"EIA)	482.6 (19"EIA)

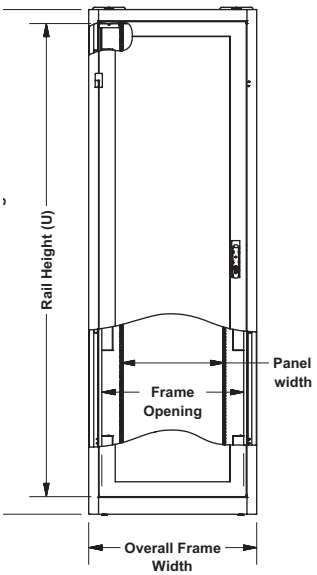
Depth Dimensions – mm (in)		
Nominal Depth	42"	48"
Overall Depth with Doors	1071 (42.2)	1223 (48.2)
Maximum Rail to Rail Depth	1006 (39.6)	1159 (45.6)

DIMENSIONAL DRAWINGS

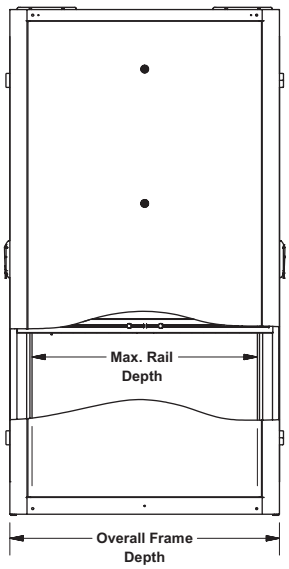
Top View



Front View



Side View



ORDERING INFORMATION

Use the part number table below to select a RFM2 Cabinet. Choose the Width (24", 30" or 31.5"), Depth (42" or 48") and Height (42U, 45U, 48U or 52U). **Example Part Number: RFM2-304845-W**

- 24 frame sizes to choose from–three heights, two widths, two depths.
- Includes a cabinet frame, two pairs of 482.6 mm (19"W) EIA square-punched equipment mounting rails, a perforated front door, a perforated rear door, swing handle latches, keyed locks, solid side panels, top panel with 4X brush cable entry, leveling feet and baying kit.
- Supports 1360 kg (3000 lb) static load on leveling feet. The leveling feet should be extended prior to adding equipment to the cabinet.
- Colour is Black or White.

42U Cabinets	Width	Depth	Height
RFM2-244242-X	24.00"	42.15"	42U
RFM2-304242-X	30.00"	42.15"	42U
RFM2-314242-X	31.50"	42.15"	42U
RFM2-244842-X	24.00"	48.15"	42U
RFM2-304842-X	30.00"	48.15"	42U
RFM2-314842-X	31.50"	48.15"	42U

X=Colour; B=Black, W=White

45U Cabinets	Width	Depth	Height
RFM2-244245-X	24.00"	42.15"	45U
RFM2-304245-X	30.00"	42.15"	45U
RFM2-314245-X	31.50"	42.15"	45U
RFM2-244845-X	24.00"	48.15"	45U
RFM2-304845-X	30.00"	48.15"	45U
RFM2-314845-X	31.50"	48.15"	45U

X=Colour; B=Black, W=White

48U Cabinets	Width	Depth	Height
RFM2-244248-X	24.00"	42.15"	48U
RFM2-304248-X	30.00"	42.15"	48U
RFM2-314248-X	31.50"	42.15"	48U
RFM2-244848-X	24.00"	48.15"	48U
RFM2-304848-X	30.00"	48.15"	48U
RFM2-314848-X	31.50"	48.15"	48U

X=Colour; B=Black, W=White

52U Cabinets	Width	Depth	Height
RFM2-244252-X	24.00"	42.15"	52U
RFM2-304252-X	30.00"	42.15"	52U
RFM2-314252-X	31.50"	42.15"	52U
RFM2-244852-X	24.00"	48.15"	52U
RFM2-304852-X	30.00"	48.15"	52U
RFM2-314852-X	31.50"	48.15"	52U

X=Colour; B=Black, W=White

ORDERING INFORMATION

Pre-Configure your RFM2 Cabinet Design. Use the configurator below to select a custom RFM2 Cabinet. Choose from a wide variety of sizes and accessories to tailor your cabinet specifically to the needs of your project. **Example Part Number: RFM2-242417-BSS2RRFCA**

- Includes a cabinet frame, two pairs of 482.6 mm (19"W) EIA square-punched equipment mounting rails, 24 Cage nuts and Screws, Top Panel with 4X brush cable entry, leveling feet and baying kit.
- Supports 1360 kg (3000 lb) static load on leveling feet. The leveling feet should be extended prior to adding equipment to the cabinet.
- Colour is Black or White.

For any additional customization that you require, please email the factory: info@rfmote.com.

RFM2	-	WW	DD	RU	-	1	2	3	4	5	6	7	8	9

WW-Width

in	mm	
24.0	610	**24**
30.0	762	**30**
31.5	800	**31**
36.0	914	**36**

DD- Depth

in	mm	
24.2	610	**24**
30.2	762	**30**
31.5	800	**31**
36.2	914	**36**
42.2	1071	**42**
48.2	1223	**48**

RU- Height

17	**17**
30	**30**
42	**42**
45	**45**
48	**48**
52	**52**

1. Colour

Black	**B**
White	**W**

2. Front Door

Perforated Single	**S**
Perforated Double/Split	**D**
Acrylic	**A**
None	**N**

3. Rear Door

Perforated Single	**S**
Perforated Double/Split	**D**
None	**N**

4. Side Panel

2	2 Sides
1	1 Side
N	None

5. Single PDU Lashing Bracket 3"W

R	Rear Right
L	Rear Left
B	Rear Right & Left
N	None

6. Double PDU Lashing Bracket 5.5"W

R	Rear Right
L	Rear Left
B	Rear Right & Left
N	None

7. Finger Managers - Pair

F	Front
R	Rear
B	Both Front & Rear
N	None

8. Casters

C	Includes Casters
N	None

9. Air Dam Kit

A	Air Dam Included
N	None

Notes: All cabinets ship with two pairs of square-punched equipment mounting rails.

For any additional customization that you require, please email the factory: info@rfmote.com.

CABLE MANAGEMENT ACCESSORIES

Keep copper, fiber and power cables separated and organized using the following cable management accessories.

Part Number			Description
24"W	30"W	31.5"W	
RFM2-ADK-2442-B	RFM2-ADK-3042-B	RFM2-ADK-3142-B	For 42U Cabinets
RFM2-ADK-2445-B	RFM2-ADK-3045-B	RFM2-ADK-3145-B	For 45U Cabinets
RFM2-ADK-2448-B	RFM2-ADK-3048-B	RFM2-ADK-3148-B	For 48U Cabinets
RFM2-ADK-2452-B	RFM2-ADK-3052-B	RFM2-ADK-3152-B	For 52U Cabinets

Air Dam Kit

The Air Dam Kit attaches to the front mounting rails, providing a complete seal around mounted equipment, ensuring complete airflow isolation and eliminating bypass airflow. The Air Dam Kit also provides seals above and below mounted equipment. Configure with cabinet or available separately as an accessory.

- Includes Equipment Mounting Rail Kit
- Sold each
- Finish: Black

Part Number		Description
30"W	31.5"W	
RFM2-542-VCM-F-B	RFM2-542-VCM-31-F-B	Finger Style Cable Manager, 42U Cabinets, Black
RFM2-545-VCM-F-B	RFM2-545-VCM-31-F-B	Finger Style Cable Manager, 45U Cabinets, Black
RFM2-548-VCM-F-B	RFM2-548-VCM-31-F-B	Finger Style Cable Manager, 48U Cabinets, Black
RFM2-552-VCM-F-B	RFM2-552-VCM-31-F-B	Finger Style Cable Manager, 52U Cabinets, Black

Finger Cable Manager

The Finger Cable Manager attaches to the cabinet's frame, and provides vertical cable management with plastic T-shaped cable guides and openings that align with each U space in the cabinet to organize patch cords. The manager is for use in the 762 mm (30"W) and 800 mm (31.5"W) cabinets and includes a cover that partially encloses cables. Fingers require a 146 mm (5.75") rail setback.

- Sold each
- Finish: Black

Part Number	Description
RFM2-PCM-S-B	PDU Cable Manager, Single-Wide, Black
RFM2-PCM-D-B	PDU Cable Manager, Double-Wide, Black

Combination PDU Mounting Bracket–Vertical Cable Managers

The Combination PDU – VCM Bracket attaches to the cabinet frame, and provides attachment points for one (Single Wide) or two (Double Wide) vertical PDUs or power strips for cabinets, and multiple tie points for power cables. Tool-less PDU attachment points are located 1645 mm and 1556 mm (64.75" and 61.25") apart. The brackets support either one or two 56 mm (2.2"W) or narrower PDUs. The Double Wide Bracket is 140 mm (5.5") wide and the Single Wide Bracket is 76 mm (3.0") wide.

- Sold each
- Finish: Black

Part Number	Description
RFM2-FTB-1831-B	Front-to-Rear Cable Manager, Black
RFM2-ADBK	Brush Kit, for 30"W Cabinets, Pack of 8, Black
RFM-CN	Cage Nut Hardware Kits, 24 Pack, Zinc

Front-to-Rear Cable Manager

Front-to-Rear Cable Manager attaches to the cabinet frame wherever there are cable openings, creating a cable pathway between front and rear rails.

- Adjustable to match various front-to-rear rail depths ranging from 457 mm (18") to 787 mm (31")
- For use in 762 mm (30"W) and 800 mm (31.5"W) cabinets only
- Sold each
- Finish: Black

Equipment Mounting Rail Brush Kit

Set of (8) brush covers that conceal cable openings in the equipment mounting rails to block airflow around equipment. Configure with cabinet or available separately as an accessory.

- Allows for quick cable installation through mounting rails while maintaining a seal
- Suited for high cable density applications
- Split bezel design does not capture cables and allows for retrofitting around existing cables
- Not compatible with 610 mm (24") wide cabinets
- UL 94-V0 flammability rating
- Material: Plastic housing, nylon brushes

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Rev.2 04/26 MKT-CPI-785.en-CA