

Opticom® Rack Mount Fiber Enclosures

specifications

Rack mount fiber enclosures shall house, organize, manage and protect fiber optic cable, terminations, splices, connectors and patch cords. Enclosure shall accommodate all Panduit trunk cables, connectors, patch cords, fiber adapter panels (FAP), Opticom® cassettes and HD Flex™ cassettes (when using the FLEX-OPTI-1RU adapter). The enclosure shall include integral cable management and bend radius control for transition to vertical cable managers. Fiber optic enclosures shall be constructed of steel material. Molded front and back doors shall be removable for cable and connector installation.



1 RU and 2 RU enclosures shall provide full front and rear access with a drawer that slides forward and backward. 4 RU enclosures shall feature a fixed bulkhead design. Enclosure shall have multiple knockouts for a variety of trunk cable entry points.

technical information

Dimensions:	FRME1U:	17.38"W × 1.74"H × 14.2"D (441.5mm × 44mm × 361mm), 1 RU
	FRME2U:	17.38"W × 3.48"H × 14.2"D (441.5mm × 88mm × 361mm), 2 RU
	FRME4:	17.00"W × 6.62"H × 11.8"D (432.0mm × 168mm × 299mm), 4 RU
Mounting:	Universal brackets (included) allow enclosure to fit in 19" or 23" rack	
Accessories:	Mounting hardware and accessory kit with labels included	

key features and benefits

Works with all Panduit® Opticom® LC, SC, ST Connector Fiber Adapter Panels	Provides versatility and flexibility with a fully modular solution for a variety of fiber optic patching, terminating, and splicing applications. Additionally, these enclosures can house keyed FAPs** for an added layer of physical security.
Integral cable management	Provides proper cable routing pathways and ensures minimum cable bend radius for end-to-end signal integrity
Bi-directional pullout drawers (FRME1U and FRME2U)	Improves front access to patch cords and connectors and rear access to terminations, slack storage and trunk cable/inter-connect cables; faster and easier installation for lower total installed cost and reduced maintenance costs
Hinged, removable front and rear doors	Enables access to fiber optic patch cords without needing to move drawer for easier moves, adds, and changes
One-to-one patching and splicing capability (FRME1U and FRME2U)	Yields higher port densities for fusion splice applications with one-to-one patching-to-splicing fiber count for up to 72 splices per RU
TIA-606-A compatible labeling	Standards-based, mechanically printed labeling of fiber connectivity, patchfields, and enclosures enables clear and accurate labeling for easy moves, adds and changes
Optional locking capabilities	Physical security measure options with a lock and key set (Panduit part number FEL, not included)

applications

Opticom® Rack Mount Fiber Enclosures provide a flexible system suitable for managing fiber terminations, connections, and patching in all types of applications. The enclosure can serve as a transition from backbone cabling to distribution switching in telecommunications rooms or closets, an interconnect to active equipment in server cabinets or switch racks, or can be specified for cross-connect or inter-connect use in a main distribution area or horizontal distribution area.

The enclosures can manage up to 72 fibers in 1 RU, 144 fibers in 2 RU, and 288 fibers in 4 RU when used with standard FAP series adapter panels loaded with LC, SC, ST style adapters. Integral cable management, bend radius control, and slack management features protect fiber optic cables, patch cords, and connectors ensuring end-to-end signal integrity for increased network reliability.

Opticom® Rack Mount Fiber Enclosures

3 FAP openings (72 fibers, 1 RU):	FRME1U
6 FAP openings (144 fibers, 2 RU):	FRME2U
12 FAP openings (288 fibers, 4 RU):	FRME4

Opticom® Fiber Adapter Panels

12 duplex LC:	FAP12W**DLCZ
6 duplex LC:	FAP6W**DLCZ
12 simplex LC:	FAP12W**LCZ
6 simplex LC:	FAP6W**LCZ
12 duplex SC:	FAP12W**DSCZ
6 duplex SC:	FAP6W**DSCZ
12 simplex SC:	FAP12W**SCZ
6 simplex SC:	FAP6W**SCZ
6 simplex ST:	FAP6WSTZ

Splice Modules (For Use with FRME1U and FRME2U Only)

Splice module (fusion):	FOSMF
Splice module (mechanical):	FOSMM

Tools and Accessories

Panduit connector removal tool:	PCRT1
Fiber slack spool 1 RU:	FMS1
Fiber slack spool 2 RU:	FMS2
Bend radius clip:	FEBC

** Replace asterisks (**) with color options for the following codes:

AG - OS1/OS2 APC Green
AQ - OM3/OM4/OM4+ Aqua
BU - OS1/OS2 Blue
EI - OM1 Electric Ivory
LM - OM5 Lime

** Keyed FAPs are available with color options for the following codes:

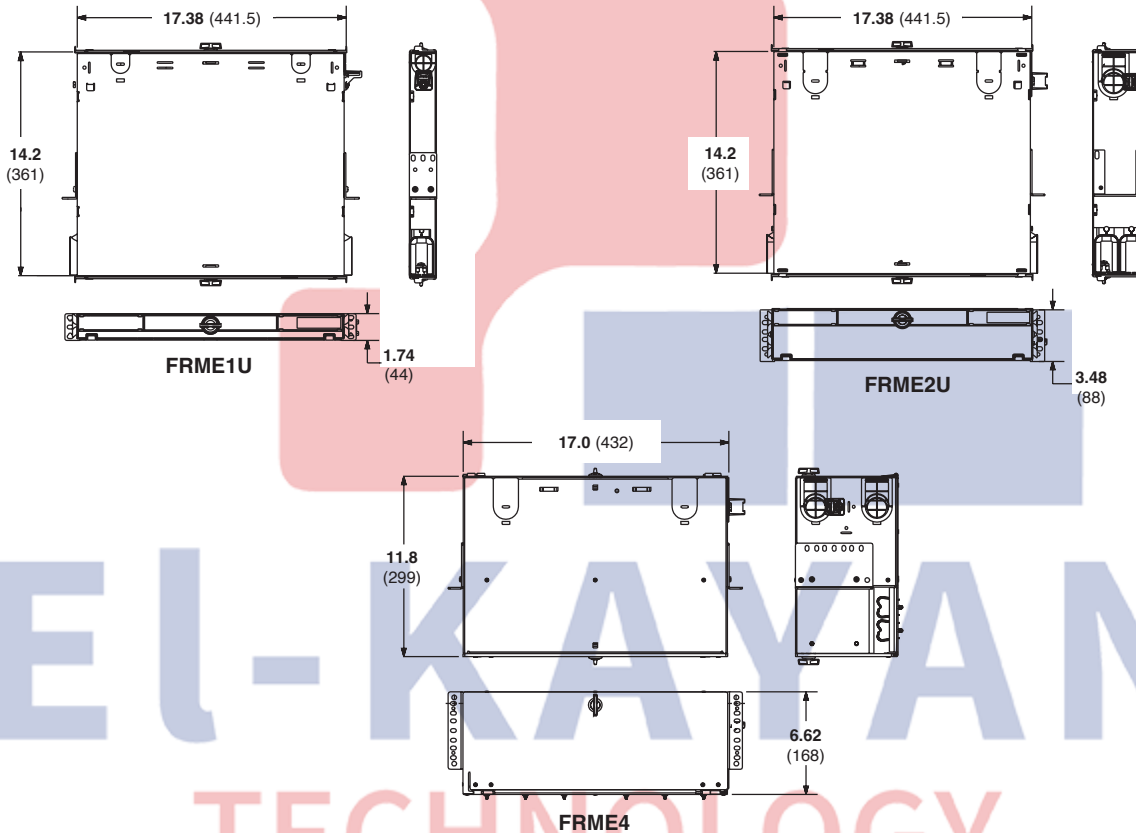
ABL - Key Code A, Black
BRD - Key Code B, Red
CGR - Key Code C, Green
DYL - Key Code D, Yellow
EOR - Key Code E, Orange
FDB - Key Code F, Dark Blue
GVL - Key Code G, Violet
HAQ - Key Code H, Aqua
JRO - Key Code J, Rose
KIG - Key Code K, International Gray
LLB - Key Code L, Light Brown
PWT - Key Code P, Keyed White

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Fiber Capacities

Fiber Adapter Panel Type	Enclosure and Fiber Count		
	FRME1U (holds up to 3 FAPs)	FRME2U (holds up to 6 FAPs)	FRME4 (holds up to 12 FAPs)
Twelve duplex LC adapters	72	144	288
Eight duplex LC adapters	48	96	192
Six duplex LC adapters	36	72	144
Six duplex SC adapters	36	72	144
Four duplex SC adapters	24	48	96
Three simplex SC adapters	18	36	72
Eight simplex ST adapters	24	48	96
Six simplex ST adapters	18	36	72

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Dimensions are in inches. (Dimensions in parentheses are metric).

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