

# 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

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

## key features and benefits

<b>Works with all Panduit® Opticom® LC, SC, ST Connector Fiber Adapter Panels</b>	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.
<b>Integral cable management</b>	Provides proper cable routing pathways and ensures minimum cable bend radius for end-to-end signal integrity
<b>Bi-directional pullout drawers (FRME1U and FRME2U)</b>	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
<b>Hinged, removable front and rear doors</b>	Enables access to fiber optic patch cords without needing to move drawer for easier moves, adds, and changes
<b>One-to-one patching and splicing capability (FRME1U and FRME2U)</b>	Yields higher port densities for fusion splice applications with one-to-one patching-to-splicing fiber count for up to 72 splices per RU
<b>TIA-606-A compatible labeling</b>	Standards-based, mechanically printed labeling of fiber connectivity, patchfields, and enclosures enables clear and accurate labeling for easy moves, adds and changes
<b>Optional locking capabilities</b>	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

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

### Opticom® Fiber Adapter Panels

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

### Splice Modules (For Use with FRME1U and FRME2U Only)

<b>Splice module (fusion):</b>	FOSMF
<b>Splice module (mechanical):</b>	FOSMM

### Tools and Accessories

<b>Panduit connector removal tool:</b>	PCRT1
<b>Fiber slack spool 1 RU:</b>	FMS1
<b>Fiber slack spool 2 RU:</b>	FMS2
<b>Bend radius clip:</b>	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:

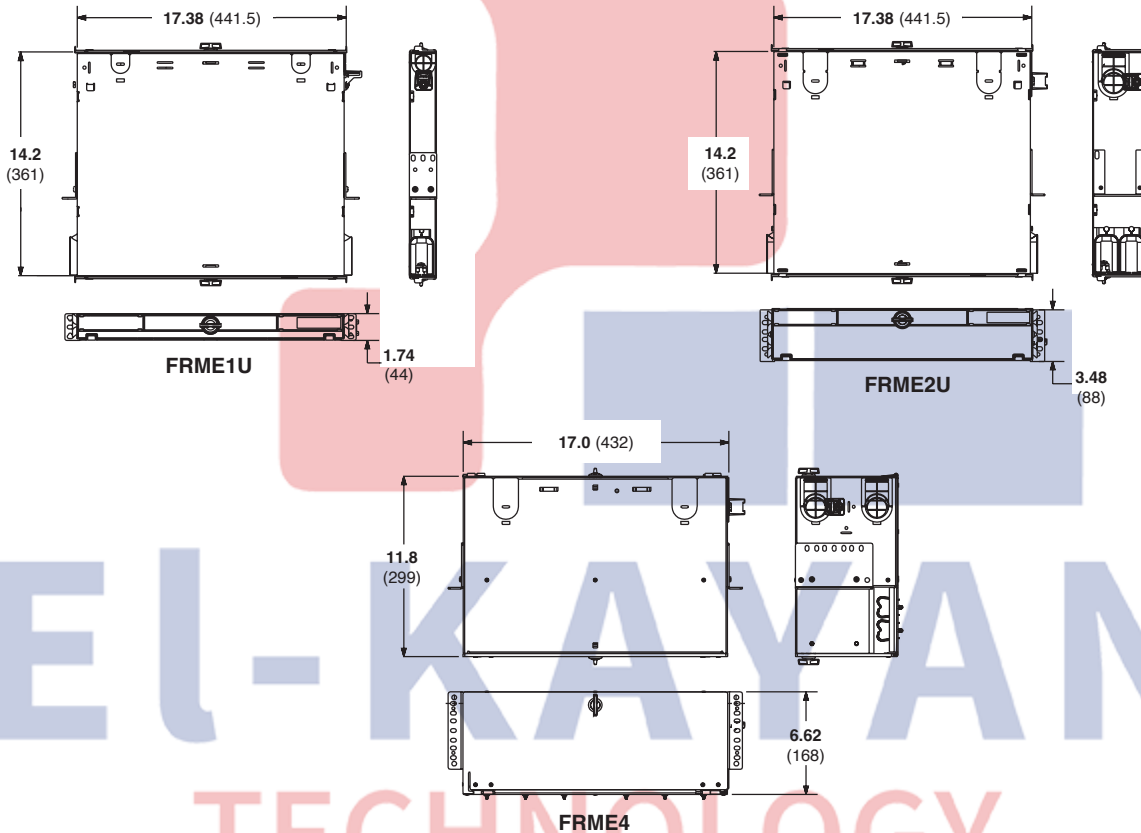
ABL - Key Code A, Black  
BRD - Key Code B, Red  
CGR - Key Code C, Green  
DYL - Key Code D, Yellow  
EOR - Key Code E, Orange  
FDB - Key Code F, Dark Blue  
GVL - Key Code G, Violet  
HAQ - Key Code H, Aqua  
JRO - Key Code J, Rose  
KIG - Key Code K, International Gray  
LLB - Key Code L, Light Brown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

## Opticom® Rack Mount Fiber Enclosures



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

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