

# Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosures

# PANDUIT®

## SPECIFICATION SHEET

### specifications

The fiber cassette enclosure shall house, organize, manage and protect fiber optic cable, terminations, splices, connectors and patch cords. Enclosure shall accommodate all Panduit pre-terminated MTP\* cassettes, fiber adapter panels (FAP) and fiber mount panels (FMP), and associated trunk cables, connectors and patch cords, and shall include integral cable management and bend radius control for transition to vertical cable managers. Fiber optic enclosure shall be constructed of steel material. Molded front and rear doors shall be removable for cabling and connector access and installation. A flat front door shall enable access to fiber without moving the drawer. Enclosure shall provide full front access with a drawer that slides out and tilts down regardless of how many enclosures are stacked together. 1 RU enclosure shall be available in an open-access version which allows patch cord access from both top and bottom of the enclosure housing. Enclosure shall have multiple knockouts for a variety of trunk cable entry points.



### technical information

<b>Dimensions:</b>	FCE1U, FCE1UA:	1.72"H x 17.6"W x 16.8"D (43.8mm x 447mm x 426.5mm), 1 RU
	FCE2U:	3.47"H x 17.6"W x 16.8"D (88.2mm x 447mm x 426.5mm), 2 RU
	FCE4U:	6.8"H x 17.6"W x 16.8"D (172.7mm x 447mm x 426.4mm), 4 RU
<b>Mounting:</b>	Integral mounting flange for installation in 19" wide EIA-310 racks	
<b>Accessories:</b>	Mounting hardware and accessory kit with labels included	

### key features and benefits

<b>Modular design mounts up to 4 Opticom® QuickNet™ Cassettes or FAPs per RU</b>	Provides higher patch field density in fewer rack units saving valuable space
<b>Works with all Panduit® Opticom® QuickNet™ Fiber Optic Cassettes and Fiber Adapter Panels</b>	Provides versatility and flexibility with a fully modular solution for a variety of pre-terminated installations, FAP and field termination, and splicing installations. Works with all Panduit LC, SC, ST, MT-RJ and MTP* fiber adapter panels and cassettes
<b>Hinged, swing down front door</b>	Enables access to fiber optic patch cords without needing to move drawer for easier moves, adds, and changes; enables stacking for reduced real estate
<b>Slide-out, tilt-down drawer</b>	Offers total front access to all patch cords and rear cables for in-cabinet and top-of-rack mounting locations
<b>Integral cable management</b>	Ensures proper cable routing, bend radius control, and rear slack storage for all patch cords, interconnect cables, and trunk cables
<b>New fiber optic splice module</b>	Can fusion splice up to 96 fibers per RU in a single enclosure with one-to-one splice-to-patching ratio
<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

### applications

Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosures provide a system for managing fiber terminations, connections, and patching in all types of applications. The enclosures are a component of the Opticom® QuickNet™ Fiber Cabling System. They are ideal for fast, reliable patch field creation in cross-connect or inter-connect main distribution areas (MDA) or horizontal distribution areas (HDA) for storage area network (SAN) patching. The enclosure can also serve as a transition point for

pre-terminated MTP\* interconnect or trunk cables patched to active equipment in data center server cabinets or LAN switch racks. The enclosures provide high patch field densities with the FCE1U housing up to 96 fibers in 1 RU, the FCE2U housing up to 192 fibers in 2 RU, and the FCE4U housing up to 288 fibers in 4 RU. Integral cable management, bend radius control, and slack management features protect fiber optic cables, patch cords, and connectors to ensure end-to-end signal integrity.

\*MTP is a registered trademark of US Conec Ltd.

[www.panduit.com](http://www.panduit.com)

<b>Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosures</b>	
1 RU for 4 FAPs or cassettes:	FCE1U
1 RU for 4 FAPs or cassettes, open access:	FCE1UA
2 RU for 8 FAPs or cassettes:	FCE2U
4 RU for 12 FAPs or cassettes:	FCE4U
<b>Opticom® QuickNet™ Cassettes Optimized 10Gig™ 50/125µm OM3/OM4 Multimode Fiber</b>	
12 duplex LC to 2 MTP*:	FCXO-24-10Y
6 duplex LC to 1 MTP*:	FCXO-12-10Y
6 duplex SC to 1 MTP*:	FCXO-12-3Y
<b>Opticom® QuickNet™ Cassettes 10Gig™ 50/125µm OM3/OM4 Multimode Fiber</b>	
12 duplex LC to 2 MTP*:	FCX-24-10Y
6 duplex LC to 1 MTP*:	FCX-12-10Y
6 duplex SC to 1 MTP*:	FCX-12-3Y
<b>Opticom® QuickNet™ Cassettes 50/125µm OM2 Multimode Fiber</b>	
12 duplex LC to 2 MTP*:	FC5-24-10Y
6 duplex LC to 1 MTP*:	FC5-12-10Y
6 duplex SC to 1 MTP*:	FC5-12-3Y
<b>Opticom® QuickNet™ Cassettes 9/125µm OS1 Singlemode Fiber</b>	
12 duplex LC to 2 MTP*:	FC9-24-10Y
6 duplex LC to 1 MTP*:	FC9-12-10Y
6 duplex SC to 1 MTP*:	FC9-12-3Y
<b>Opticom® Fiber Adapter Panels</b>	
12 duplex LC, 10Gig™:	FAP12WAQDLC
6 duplex LC, 10Gig™:	FAP6WAQDLC
12 duplex LC:	FAP12WEIDLDC
6 duplex LC:	FAP6WEIDLDC
6 duplex SC, 10Gig™:	FAP6WAQDSC
3 duplex SC, 10Gig™:	FAP3WAQDSC
6 duplex SC:	FAP6WEIDSC
3 duplex SC:	FAP3WEIDSC
6 simplex ST:	FAP6WST
6 duplex MT-RJ:	FMP6WMTRJ
<b>Opti-Core® Patch Cords</b>	
12 fiber MTP* to MTP*:	F^12D5-5M**Y
Duplex LC to LC:	F^E10-10M**Y
Duplex SC to SC:	F^D3-3M**Y
Duplex SC to LC:	F^D3-10M**Y
<b>Splice Modules and Holders</b>	
Splice module (fusion):	FOSMF
Splice module (mechanical):	FOSMM
Splice module holder for FCE1U:	FOSMH1U
Splice module holder for FCE2U:	FOSMH2U
Splice module holder for FCE4U:	FOSMH4U
<b>Tools and Accessories</b>	
Panduit connector removal tool:	PCRT
Fiber slack spool 1 RU:	FMS1
Fiber slack spool 2 RU:	FMS2
Bend radius clip:	FEBC

^Substitute for fiber type:  
X = (OM3/OM4 – 10Gig™ 50/125 µm);  
5 = (OM2 – 50/125 µm);  
6 = (OM1 – 62.5/125 µm);  
9 = (OS1 – 9/125 µm)  
\*\*Substitute for length in meters; 1, 2, 3, 5 and 10 are standard lengths.  
Contact Panduit Customer Service for other available lengths.

# Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosures

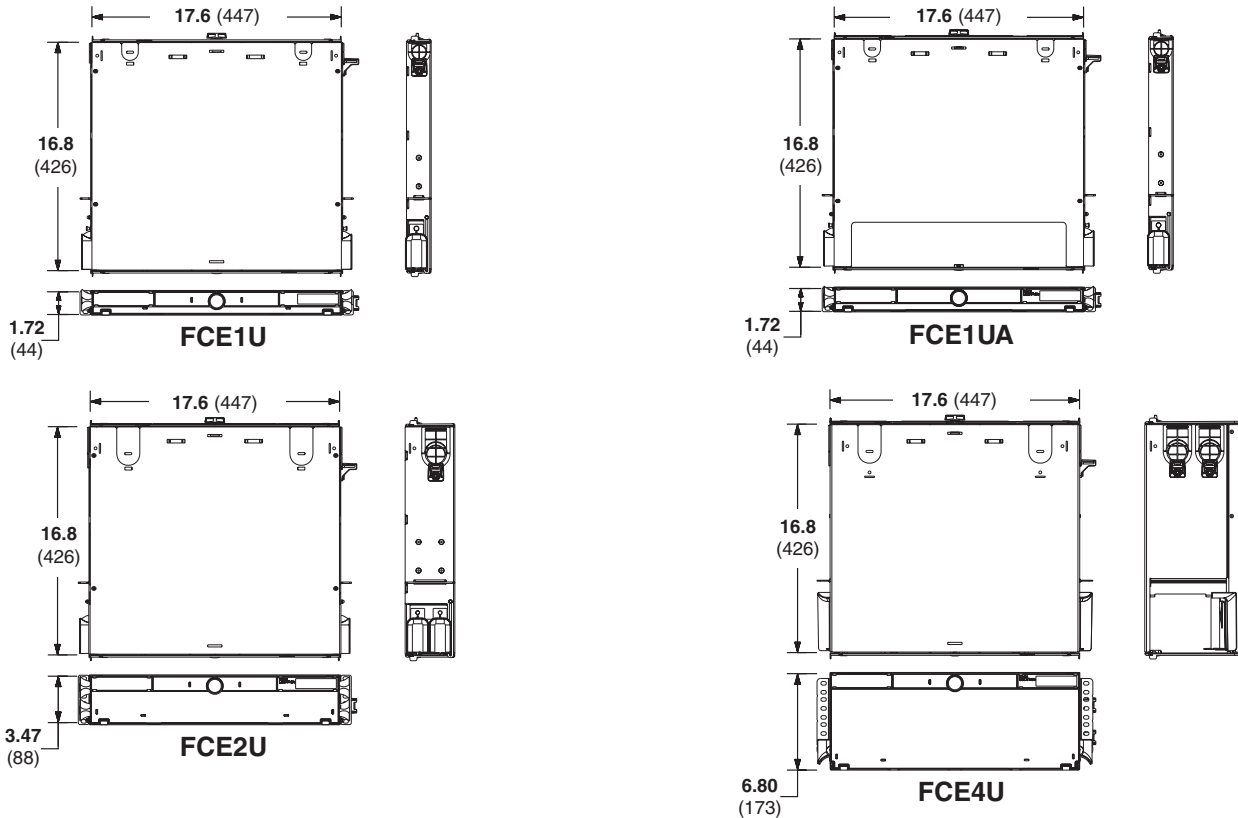
## Fiber Capacities

QuickNet™ Cassette Type	Enclosure and Fiber Count		
	FCE1U/FCE1UA (holds up to 4 FAPs or cassettes)	FCE2U (holds up to 8 FAPs or cassettes)	FCE4U (holds up to 12 FAPs or cassettes)
12 duplex LC adapters to 2 MTP*	96	192	288
6 duplex LC adapters to 1 MTP*	48	96	144
6 duplex SC adapters to 1 MTP*	48	96	144
3 duplex SC adapters to 1 MTP*	24	48	72
6 simplex ST adapters to 1 MTP*	24	48	72

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Fiber Adapter Panel Type	Enclosure and Fiber Count		
	FCE1U/FCE1UA	FCE2U	FCE4U
12 duplex LC adapters	96	192	288
8 duplex LC adapters	64	128	192
6 duplex LC adapters	48	96	144
6 duplex SC adapters	48	96	144
4 duplex SC adapters	32	64	96
3 duplex SC adapters	24	48	72
6 simplex ST adapters	24	48	72
6 duplex MT-RJ adapters	48	96	144

## Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosures



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

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