Opticom® QuickNet™ Rack Mount Fiber Cassette Enclosures



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

Dimensions:	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	
Mounting:	Integral mounting flange for installation in 19" wide EIA-310 racks		
Accessories:	Mounting hardware and accessory kit with labels included		

key features and benefits

Modular design mounts up to 4 Opticom® QuickNet™ Cassettes or FAPs per RU	Provides higher patch field density in fewer rack units saving valuable space	
Works with all Panduit® Opticom® QuickNet™ Fiber Optic Cassettes and Fiber Adapter Panels	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	
Hinged, swing down front door	Enables access to fiber optic patch cords without needing to move drawer for easier moves, adds, and changes; enables stacking for reduced real estate	
Slide-out, tilt-down drawer	Offers total front access to all patch cords and rear cables for in-cabinet and top-of-rack mounting locations	
Integral cable management	Ensures proper cable routing, bend radius control, and rear slack storage for all patch cords, interconnect cables, and trunk cables	
New fiber optic splice module	Can fusion splice up to 96 fibers per RU in a single enclosure with one-to-one splice-to-patching ratio	
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	

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.

Opticom®QuickNet™ Rack Mount Fiber Cassette Enclosures

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

Opticom® QuickNet " Cassettes Optimized 10Gig" 50/125µm OM3/OM4 Multimode Fiber 12 duplex LC to 2 MTP*: FCXO-24-10Y

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

Opticom® QuickNet™ Cassettes 10Gig™ 50/125µm OM3/OM4 Multimode Fiber

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

Opticom® QuickNet™ Cassettes 50/125µm OM2 Multimode Fiber

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

Opticom® QuickNet™ Cassettes 9/125µm OS1 Singlemode Fiber

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

Opticom® Fiber Adapter Panels

12 duplex LC, 10Gig™: FAP12WAQDLC 6 duplex LC, 10Gig™: FAP6WAQDLC 12 duplex LC: FAP12WEIDLC 6 duplex LC: **FAP6WEIDLC** 6 duplex SC, 10Gig[™]: 3 duplex SC, 10Gig[™]: 6 duplex SC: FAP6WAQDSC FAP3WAQDSC **FAP6WEIDSC** 3 duplex SC: **FAP3WEIDSC** 6 simplex ST: FAP6WST FMP6WMTRJ 6 duplex MT-RJ:

Opti-Core® Patch Cords

 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

Splice Modules and Holders

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

holder for FCE1U: Splice module holder for FCE2U: FOSMH1U FOSMH2U

Splice module holder for FCE4U: FOSMH4U

Tools and Accessories

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

^Substitute for fiber type:

 $X = (OM3/OM4 - 10Gig^{TM} 50/125 \mu m);$

 $5 = (OM2 - 50/125 \mu m);$

 $6 = (OM1 - 62.5/125 \mu m);$ $9 = (OS1 - 9/125 \mu m)$

**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

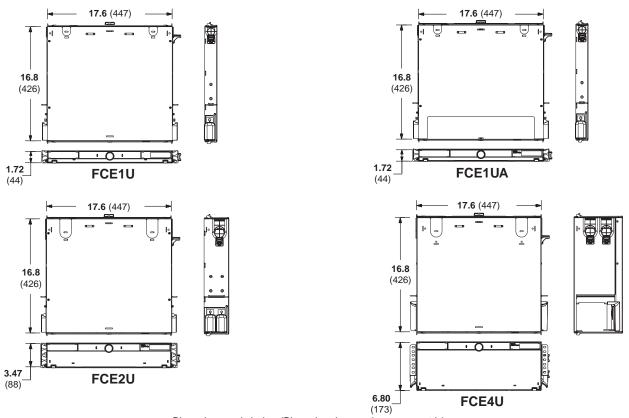
Fiber Capacities

	Enclosure and Fiber Count			
<i>QuickNet</i> [™] Cassette Type	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 Adenter Bonel Type	Enclosure and Fiber Count		
Fiber Adapter Panel Type	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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