Opticom® Fiber Rack Mount Enclosure (FRE1U)

PANDUIT®

specifications

The Opticom Fiber Rack Mount Enclosure (FRE1U) shall house, organize manage, and protect fiber optic cable, terminations, cassettes, splices, connectors, and patch cords. The FRE1U accommodates all Panduit pre-terminated MPO cassettes, fiber adapter panels (FAP), associated trunk cables, connectors, and patch cords, with integral cable management and bend radius control for transition to cable managers. Constructed out of steel material, the FRE1U provides full front access with a pull-out drawer. A front door and rear cover enable cabling, connector access, and installation with easy open access in the front, which simplified move, add, and changes of fiber patch cords without moving the drawer. Multiple knockouts at the rear allow for a variety of trunk cable entry points.
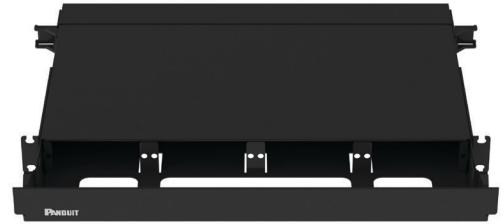
general specifications

Access:	Front
Color:	Black or White
Unloaded:	Unloaded
Mounting:	19" wide EIA-310 racks with integral mounting flange
Unit:	1

material specifications

Finish:	Powder coated
Material Type:	Steel
Accessories:	Mounting hardware and accessory kit with labels included

environmental specifications

Environment:	Indoor
Standards:	EIA-310-E, RoHS

splice modules and holders

Splice module (fusion):	FOSMF
Splice module (mechanical):	FOSMM
Splice module holder:	FOSMH1U
HD Flex Bracket:	FLEX-OPTI1RU

key features & benefits

Works with all Panduit Opticom Fiber Optic Cassettes, Fiber Adapter Panels (FAPs) and HD Flex Cassettes:	Provides versatility and flexibility with a fully modular solution for a variety of fiber optic patching, terminating, and splicing applications. Supports four Opticom Cassettes or FAPs and eight HD Flex Cassettes (using FLEX-OPTI1RU)
Adjustable mounting flange:	Enables adjustment of installation depth within a 19" rack or cabinet
Removable rear cover:	Removable rear cover for access to trunk/interconnect cables
Slide-out front drawer:	Improves front access to all patch cords, connectors and rear access to terminations, slack storage and trunk cable/interconnect cables
Integral cable management:	Ensures proper cable routing, bend radius control, and rear slack storage for all patch cords, interconnect cables, and trunk cables
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

tools and accessories

Panduit connector removal tool:	PCRT1
Fiber slack spool 1 RU:	FMS1

dimensions

	FRE1UBL
	1 RU
Height (in./mm)	1.72 (43.6)
Width (in./mm)	17.6 (447)
Depth (in./mm)	15.59 (396)

Note: For part number in white, replace BL with WH.

opticom fiber rack mount enclosure(fre1u) part detail

Enclosure Open View

Housing

Drawer

Rear Cover

Front Door

Fiber Clip

Enclosure Close with Rear Cover View

Adjustable Bracket

For a copy of Panduit product warranties, log on to www.panduit.com/warranty
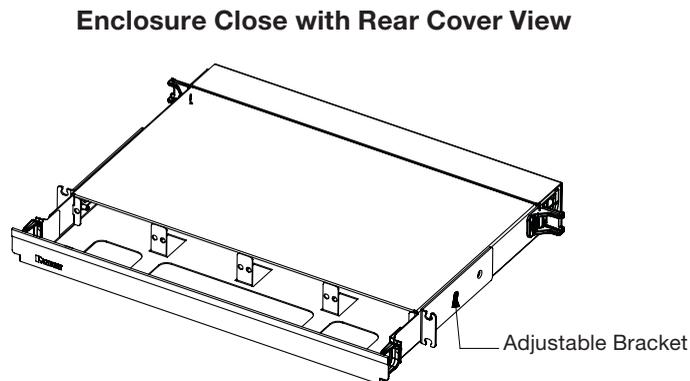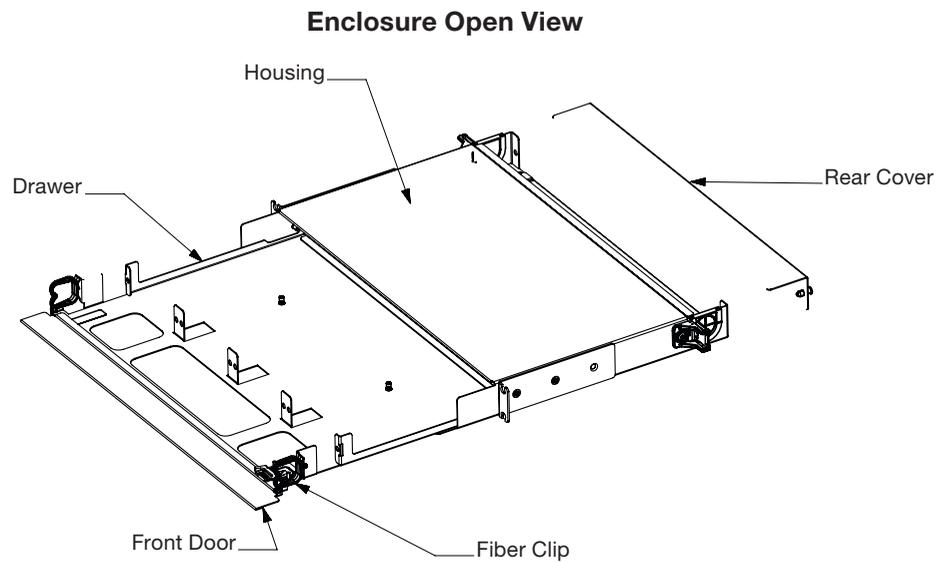
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