EXO2 High-Density Patch Panel & Cassette Solution

1U modular drawable-rail fiber distribution platform — up to 96 fibers, cassettes or splice trays

Overview

The EXO2 is a modular, ultra-low-loss, high-density fiber distribution platform for the data center. A single 1U chassis supports two deployment paths — factory pre-terminated MPO-LC cassettes, or field fiber splice trays — so one platform covers both new-build structured cabling and splice-based migration work.

The modular design and drawable rail box give installers full front and rear access without unracking the chassis, improving the connection performance and serviceability of the wiring system.

Module boxes are available in 12-fiber and 24-fiber builds with LC, SC, MPO/MTP or RJ45 front adapters, adding configuration flexibility across single-mode and multimode plant.



Key Features

- **High density** — up to 1U-96F in a single rack unit
- **Drawable rail box** — slides forward for front and rear access in place
- **Two deployment paths** — MPO-LC cassettes or fiber splice trays in the same chassis
- **Standard 19-inch structure** — cabinet or open-rack mountable
- **12F or 24F modules** — cassettes and adapter panels in either fiber count
- **Adapter choice** — LC, SC, MPO/MTP or RJ45 front adapters
- **Factory pre-terminated** — cassettes terminated and tested before shipment; plug and play
- **Rugged construction** — SPCC cold-rolled steel, RAL9004 fine-sand texture finish

Deployment Options



Cassettes deployment

Pre-terminated MPO-LC cassettes, MPO/MTP trunk to the rear, LC or SC to the front. No field polishing or splicing.



Fiber splicing deployment

Layered plastic splice trays with adapter panels. 48 cores per tray, stackable two layers deep.

Product Models & Appearance



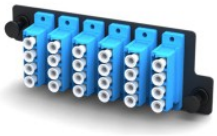
EXO2 Chassis

1U drawable rail box, 19-inch mount. Up to 96 fibers in four module positions.



MPBX3 Cassette

Factory pre-terminated, plug and play. 12F or 24F, LC/SC/MPO front adapters.



MPBX3 Adapter Panel

Direct patch-cord connection or splice termination. 12F or 24F, LC/SC/MPO.



RJ45 Adapter Panel

Single RJ45 modular jacks for mixed copper and fiber in one chassis.



Fiber Splice Tray

Layered plastic construction. 48 cores per tray, stackable two layers.



Baffle Panel

SPCC cold-rolled steel, black. Covers unpopulated adapter-plate positions.

Patch Panel Structure

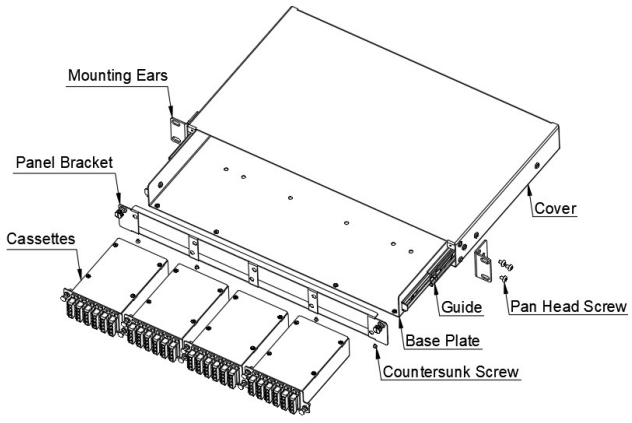




Figure 1 — Chassis assembly: mounting ears, panel bracket, cassette bay, base plate and rail guide. Figure 2 — rail box drawn forward for service access.

Product Specifications

Item	Description
Operating temperature	−40 °C to +60 °C
Storage temperature	−40 °C to +60 °C
Relative humidity	≤ 85% at +30 °C
Atmospheric pressure	70 kPa to 106 kPa
Cabinet material	Cold-rolled steel plate
Dimensions (W × D × H)	483 mm × 260 mm × 1U
Fiber count	1U — 96F
Rack mounting	19-inch standard, cabinet or open rack
Power	No power required — fully passive

MPBX3 Cassettes (MPO-LC / SC)

Technical parameters

Item	Description
Fiber count	12 fibers; 24 fibers
Fiber mode	Single mode G657A1 / G657A2; multimode OM3 / OM4 / OM5
Polarity type	Type A
Front connector	Single mode — LC/SC (UPC blue, APC green) Multimode — LC/SC (OM3 aqua, OM4 violet, OM5 lime green)
Rear connector	Single mode — MPO/MTP APC or PC male; multimode — MPO/MTP PC male
Material	Cold-rolled steel sheet
Dimensions (W × D × H)	102 mm × 118 mm × 11.4 mm (no adapter)

Performance properties

Parameter	Specification
Front connector insertion loss	SM — UPC ≤ 0.3 dB, APC ≤ 0.3 dB; MM — UPC ≤ 0.2 dB
Rear connector insertion loss	MPO — SM APC ≤ 0.75 dB, MM PC ≤ 0.75 dB MTP — SM APC ≤ 0.35 dB, MM PC ≤ 0.35 dB
Front connector return loss	SM — UPC ≥ 50 dB, APC ≥ 60 dB; MM — UPC ≥ 35 dB
Rear connector return loss	MPO — SM APC ≥ 60 dB, PC ≥ 50 dB, MM PC ≥ 25 dB MTP — SM APC ≥ 60 dB, MM PC ≥ 35 dB

SM = single mode, MM = multimode.

MPBX3 Adapter Panels

Item	Description
Material	Cold-rolled steel sheet
Adapter type	LC duplex; LC quad; SC duplex; MPO/MTP duplex; RJ45 single

Item	Description
Dimensions (W × H)	102 mm × 37 mm (no adapter)

Mechanical Drawing

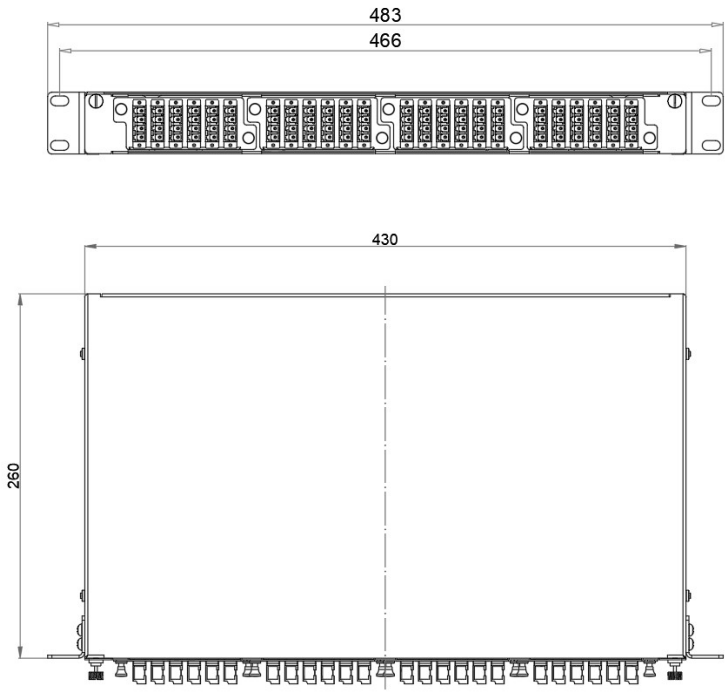


Figure 3 — EXO2, 2D view. Dimensions in millimetres.

Ordering Information

Patch panel — EXO2

1	2	3	4	5	6
EXO2	EM	SP	B	9004	1U

Field	Options
1 — Model	EXO2
2 — Configuration	EM — empty chassis
3 — Material	SP — cold-rolled steel plate
4 — Spray	B — fine sand grain
5 — Spray color	9004 — RAL9004
6 — Cabinet height	1U

Cassettes and panels — MPBX3

1	2	3	4	5	6	7	8
MPBX3	AP	SP	Black	2×12	MPO/PC	LC/UPC	OM4

Field	Options
1 — Model	EXO2
2 — Configuration	EM — empty; AD — adapter included; AP — fully equipped
3 — Material	SP — cold-rolled steel plate
4 — Color	Black
5 — Cassette patch cord	1×12; 1×24; 2×12 (fiber count)
6 — Rear adapter	MPO/PC; MPO/APC; MTP/PC; MTP/APC
7 — Front adapter	LC/PC; LC/APC; SC/PC; SC/APC; MPO/MTP; RJ45
8 — Fiber mode	G657A1; G657A2; OM3; OM4; OM5

Configuration note
A 1U chassis takes four module positions. Baffle panels cover any unpopulated position, so modules + baffle panels = 4 under normal circumstances. Cassettes and adapter panels may be mixed freely within one chassis; splice trays occupy the tray bay behind the adapter panels.

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Specifications subject to change without notice.