

Overview

EXO™ is an advanced patch panel platform that enables flexible breakout configurations from high-speed QSFP-DD and OSFP modules down to individual SFP28/SFP56 connections. This modular 1RU chassis consolidates fiber (LC, duplex LC, MPO-12, MPO-16) and copper connections within a single solution, optimizing data center density and scalability.

Ideal for edge data centers, enterprise networks, and colocation environments requiring equipment connections across multiple adjacent racks, EXO™ provides seamless integration with both legacy and next-generation infrastructure. The chassis supports flexible port densities up to 48 connections—accommodating duplex LC (single-mode and multimode), CAT6A/CAT8 RJ45, or high-density MPO adapters for 100G, 400G, and 800G applications.

Intelligent Data Path Management

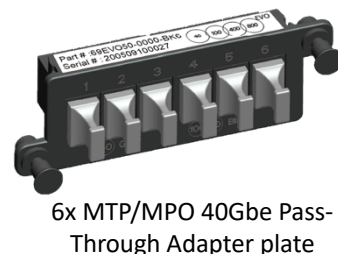
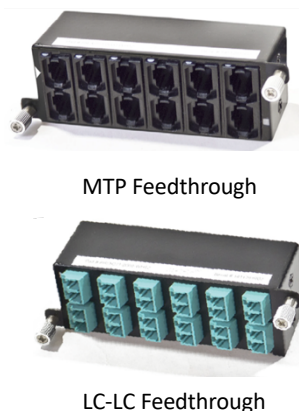
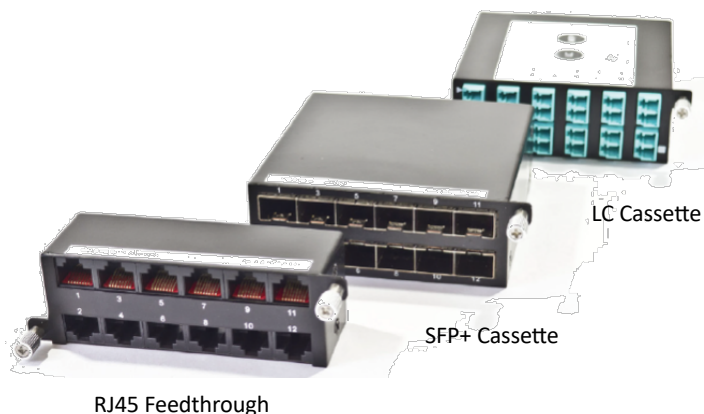
The EXO™ chassis supports up to 48 high-speed ports with dynamic breakout capabilities. Using breakout cables, high-bandwidth connections are split into multiple lower-speed data lanes—for example, 400G QSFP-DD to 4x100G or 800G OSFP to 8x100G—that enter the modular hub configuration.

The platform's lane shuffling architecture allows any data lane from rear-mounted devices to be directed to any front-mounted device through simple feed-through patching. This passive cross connect design enables flexible reconfiguration without active electronics, reducing power consumption and simplifying moves, adds, and changes in dynamic network environments.



Key features

- **Modular Architecture** – Each cassette module provides 3x3 high-speed port connectivity for up to 12 total ports (12 front-facing, 12 rear-facing)
- **Dual-Sided Access** – Front and rear rack access enables efficient cable management and servicing from either direction
- **Integrated Cable Management** – Front door opens 180° to reveal clearly labeled routing guides for organized deployments
- **Pre-Qualified Breakout Cables** – Includes factory-tested breakout cables (400G to 4x100G, 100G to 4x25G) for plug-and-play deployment
- **High-Density Passive Cross connect** – Up to 48 feed-through ports per chassis (12 per cassette x 4 cassettes) enable flexible lane assignments
- **Dynamic Path Reconfiguration** – Individual data lanes can be rerouted to create multiple redundant paths without service interruption
- **Standards Compliant** – Meets SFF-8402, SFF-8665, and current industry specifications for high-speed interconnects
- **Zero Power Consumption** – Fully passive design adds no heat load or cooling requirements to the data center
- **Mixed Media Support** – Accommodates multiple connection types in a single chassis:
 - RJ45 (CAT6A/CAT8 copper)
 - SFP28/SFP56 (25G/50G/100G)
 - Duplex LC (single-mode and multimode fiber)
 - MPO-12/MPO-16 (high-density fiber)





EXO Mini Patch Panel

Connectivity Options

- **Flexible Modular Design** – Mix and match connection types within the same chassis: MTP/MPO, duplex LC fiber, CAT6A/CAT8 copper, and MPO-12/MPO-16 feed-through adapters
- **Scalable Port Density** – Configure up to 24 ports in any combination of duplex LC (single-mode/multimode), CAT6A/CAT8 RJ45, and high-density MPO adapters
- **Space and Energy Efficient** – Compact 1RU form factor with fully passive architecture delivers zero power consumption and no cooling requirements
- **Future-Ready Infrastructure** – Supports current and emerging speeds from 10G to 800G through compatible adapter modules and breakout configurations

Specifications

Item	Description
EXO Connectivity Hub	
cassettes	4, SFP+ through ports on each cassette for a total of up to 48 ports
height	1 RU (1.75 in., 43.5 mm)
width	482 mm
depth	96 mm
weight	3 kg net; 3.3 kg gross (when loaded with 4 cassettes)
signal integrity (hub with cables)	compliant with SFF-8431
temperature	-40°C to 75°C storage 0°C to 40°C operating
access	front and rear
power	no power required
SFP+ Cables	
quantity	24 cables prequalified for EXO SFP+ hub
type	SFP+ to 4x SFP+ passive breakout copper cables
size	24 AWG
length	2.5 meters
min sustained bend	22.5 mm radius

