

Overview

EXO™ is a connectivity hub that enables fractional QSFP+ 40G configuration at the SFP+ 10G levels. EXO aggregates connectivity in a data center for fiber (LC, MTP) and copper connections, all in the same 1RU modular chassis. This solution is well-suited for SME (small and medium enterprise) and other applications where equipment is being connected in 1–3 adjacent racks.

In addition, this unique chassis allows for seamless flexibility to connect to existing cabling infrastructure. Add up to 48 ports of Duplex LC, CAT6 RJ45 or high-density MTP adapters.

Multiple reconfigurable data paths

Up to 24, QSFP+ ports can be connected (12 in the front and 12 in the back). Using the included, pre-qualified QSFP+ to 4xSFP+ cables, the 40G bandwidth is split into 4, 10G data lanes that enter the SFP+ hub.

Any data lane from any device connected to back of the hub can be directed to any device connected to the front of the hub. Lane shuffling is done in a simple feed-through format.

Key features

- Each modular cassette connects 3x3 QSFP+ ports for a total of up to 12x12 QSFP+ ports (12 front, 12 back)
- Front and rear access to the rack-mounted hub
- Front door opens 180° to reveal labels for cable routing information
- QSFP+ to 4xSFP+ prequalified cables are included
- Up to 48, SFP+ feed through ports on hub (12 per cassette)
- 10G data lanes can be reconfigured to create multiple, redundant data paths
- SFF-8431 compliant
- Fully passive, no added heat or cooling load
- Additional connectivity
 - RJ45, SFP+, LC, MTP



MTP Feedthrough



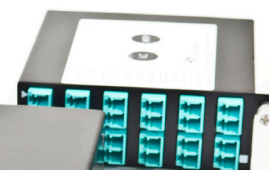
LC-LC Feedthrough



RJ45 Feedthrough



SFP+ Cassette



LC Cassette

Specifications

Item	Description
Ordering	
Chassis part #	88EXO-1U00-4
12 SFP+ Feedthrough #	88EXO75-0000-12 (Includes 6, pre-qualified cables)
12 RJ45 Feedthrough #	88EXO071-0000-WH12
1x24 MTP to 12 LC Duplex MM Om4 #	88EXO51-8020-1x12
EXO Connectivity Hub	
cassettes	12, 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	QSFP+ to 4x SFP+ passive breakout copper cables
size	24 AWG
length	2.5 meters
min sustained bend	22.5 mm radius



Connectivity Options

- Flexible modular solutions, mix between SFP+ DAC, Duplex LC, CAT5e/CAT6 RJ45 and MTP feed-through
- Add up to 48 ports of SFP+ DAC, Duplex LC, CAT5e/CAT6 and MTP adapters
- Compact and efficient, 1U, zero power consumption.