

10 10
10 10
40
100
120
EXO™

EXO™ Connectivity Hub

The EXO™ Platform

EXO™ is a modularized platform that supports a wide variety of connectivity types and applications on the same 1RU chassis, allowing for flexibility now and growth in the future.

EXO™ supports up to four cassette and feed-through modules. Modules can be mixed to match your connectivity requirements. There are modules for fiber, copper, wavelength, and optical power management, supporting 1G, 10G, 40G, and 100/120G connectivity. With 48 diverse ports, the EXO™ platform offers flexibility and space savings.

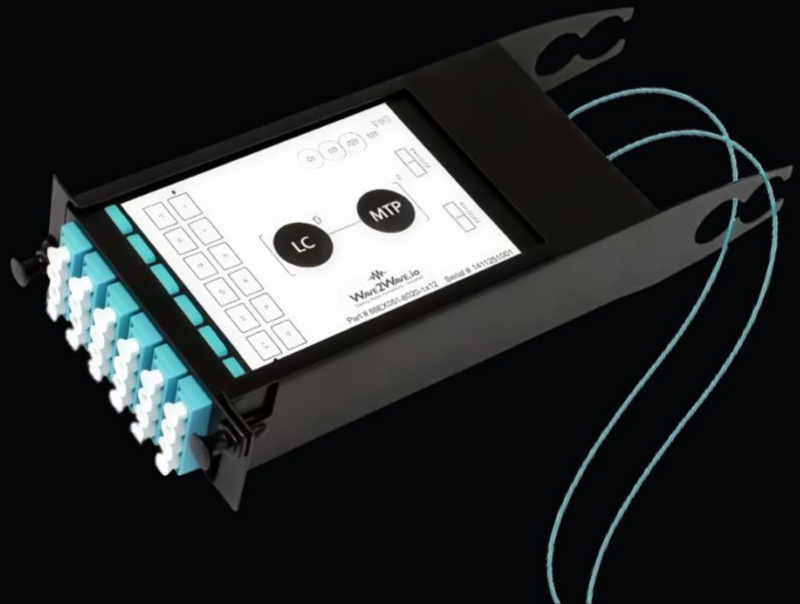
EXO™ modules allows scalability as data center connectivity needs change. With the ability to plug in exactly the modules needed now and in the future, EXO™ is a grow on demand platform.

1 RU Modular
Fiber, Copper,
Wavelength & Power
Management Panel



Cables That Fly™ - EXO™ Kite

The EXO™ Kite is a 0U panel which supports one EXO™ module. It can be used to extend remote connections and is easy to deploy as it is magnetized and can be connected to any metal location on a rack.





A Smaller Footprint- EXO™ mini

EXO™ mini introduces the industry's newest form factor – smaller, modular and smarter. Facilitating a wire to wire connection to the maximum network performance, EXO mini offers RJ45, LC and MTP feedthrough connections. Functionality comes with elegance.



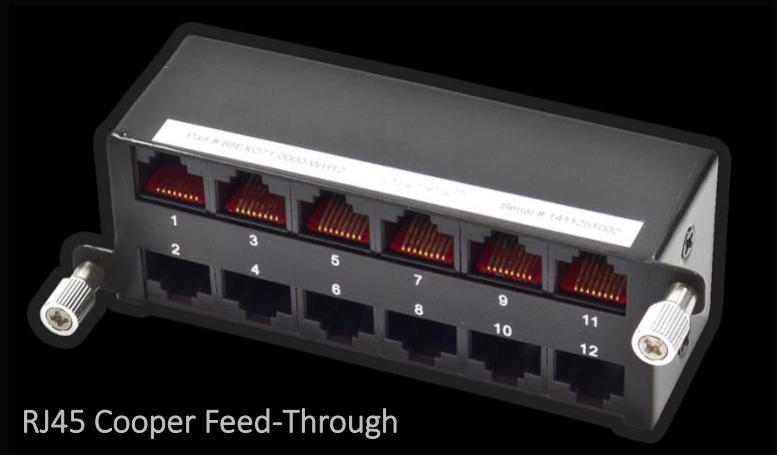
The Full Connectivity Hub - EXO™


10 10
10 10
40
100
10 10
10 10
40
100

Copper

CAT6A Module

- 12 Port RJ45, CAT6A Feed-Through Module
- Compact, High-Density Design, Allows up to 48 Ports per 1RU
- Backward Compatible with CAT5e and CAT6



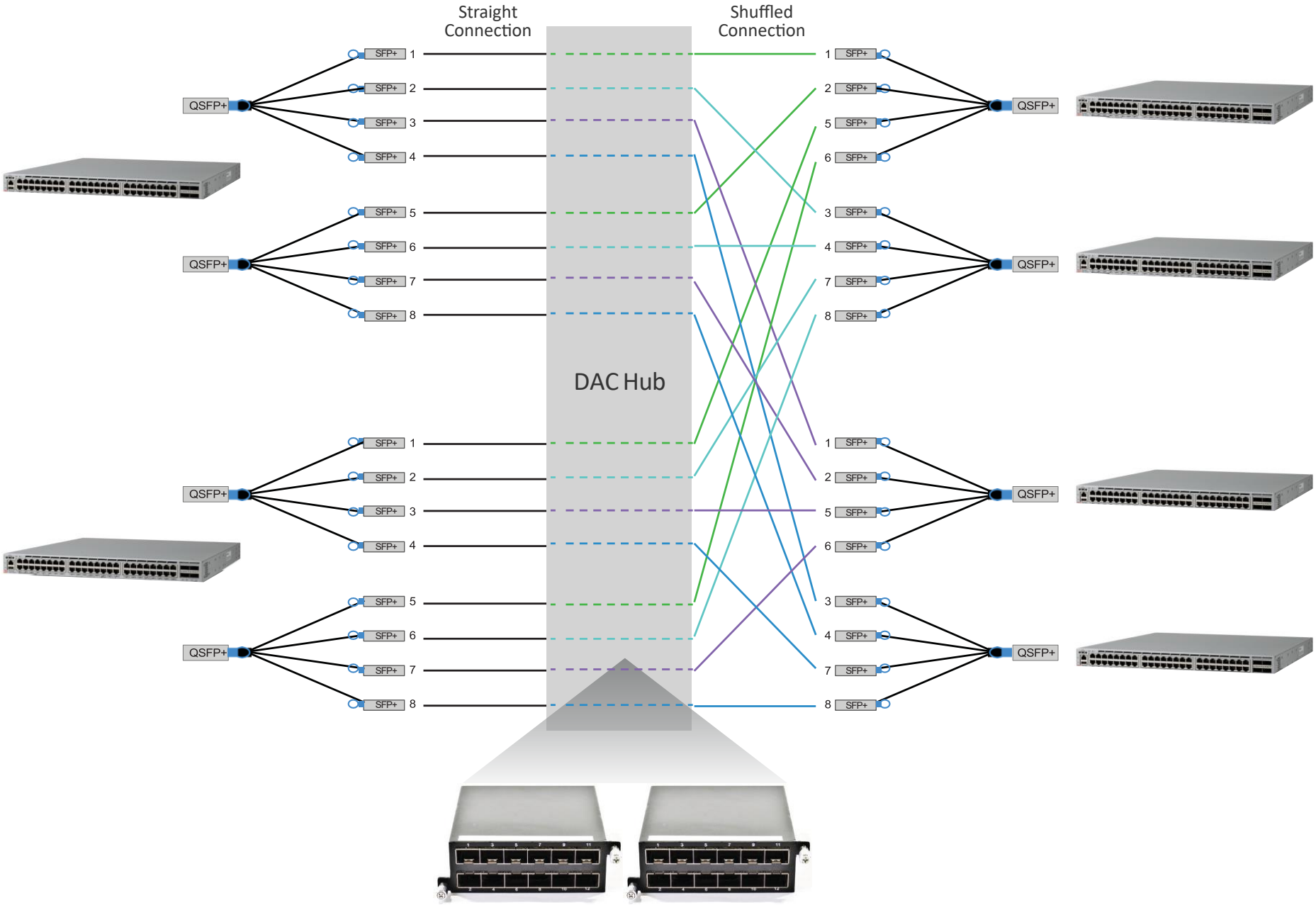
RJ45 Cooper Feed-Through

Configure Spine & Leaf with DAC Hub

Spine Switches

QSFP+ Fractional 10G Configuration

Leaf Switches



EXO™ DAC Modules

High-Speed Copper

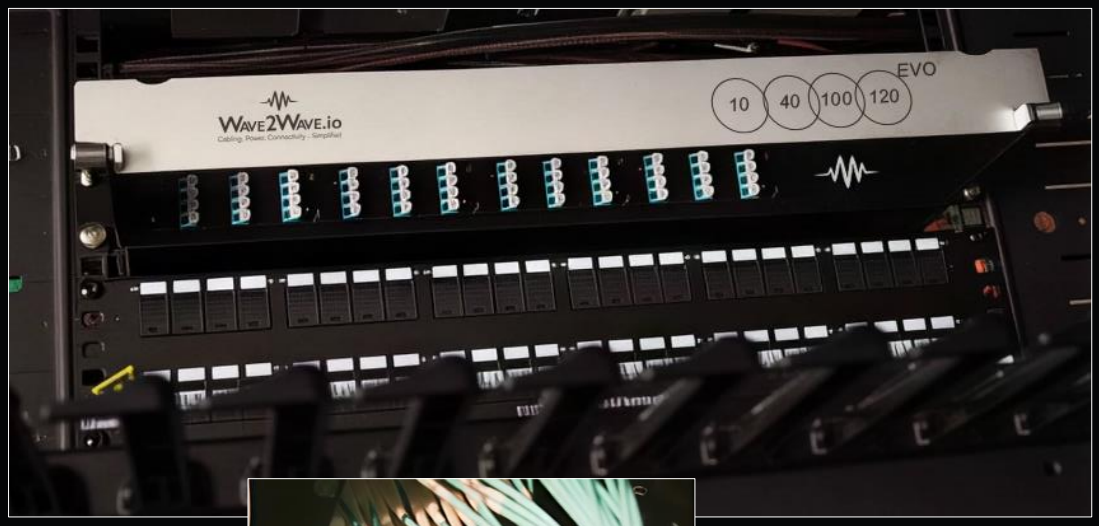
SFP+ DAC Module

- SFP+ DAC Module offers fractional capabilities on 40G in a modular 1RU platform. Lane shuffling is done in a simple feed-through format.
- Instead of optical transceivers, the SFP+ DAC module provides for passive direct attached cable (DAC) connections within 5 meters of a network core.
- SFP+ DAC Module achieves a lower latency compared to OEO solutions.



SFP+ High-Speed Copper Cassette


TO G17
3


WAVE2WAVE.io
Cabling. Power. Connectivity - Simplified
10
40
100
120
EVO


WAVE2WAVE.io

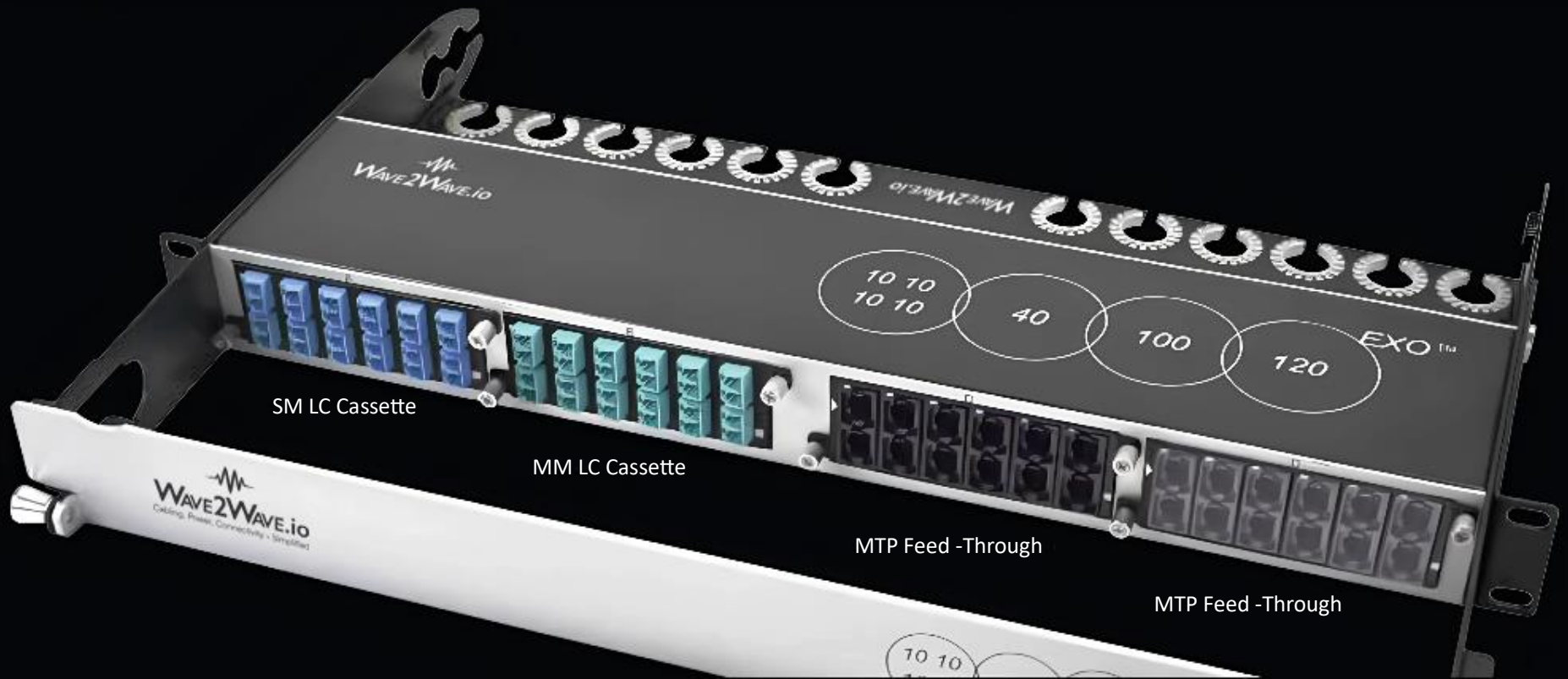


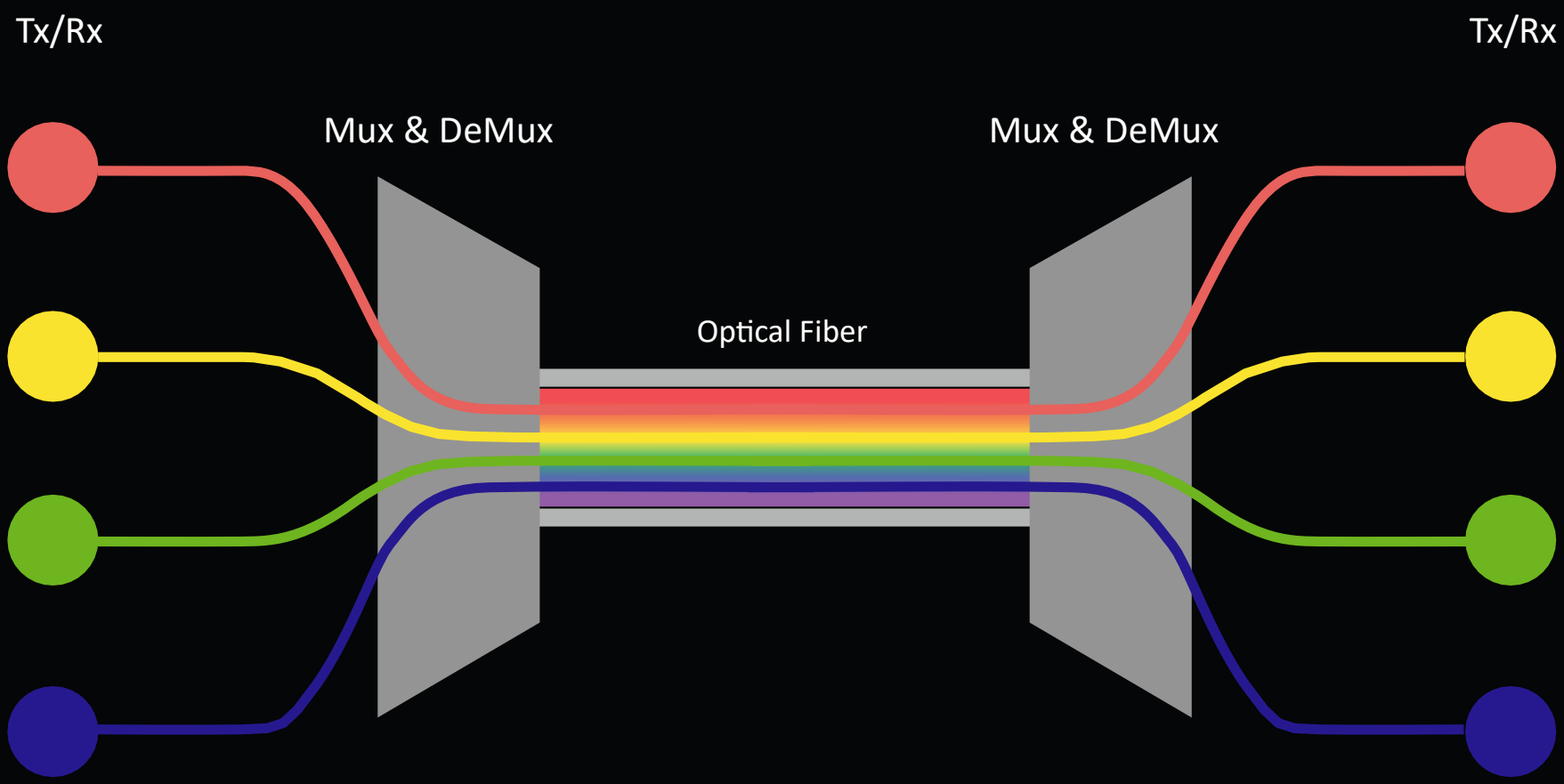
Fiber

A single versatile platform supports 10G, 40G and 100/120G throughout the evolving data center architecture.

Below are some example scenarios for an EXO™ deployment:

- ISP incoming service via single-mode fiber, patch into a feed-thru LC-LC module, distribute to other racks, remaining 3 slots used for copper and MTP breakout.
- EXO™ chassis loaded with OM4 and SMF MTP-LC cassettes, each row has multiple chassis and cassettes to distribute the all the fiber within the new data center.
- Each EXO™ has 12 MTP, 24 LC and 12 RJ45 connections. This setup allows the customer to distribute any connection from their hardware to any of their ports.







8 Channel WDM Cassette

Optical DWDM Mux & DeMux

EXO™ Lambda's 8,16, 48 Channel Mux/DeMux Modular Solution

- Pre-Paired Mux/DeMux Per Channel and Plug-n-Play with Equipment
- DWDM Mux/DeMux with Fiber and Copper Patching Integrated

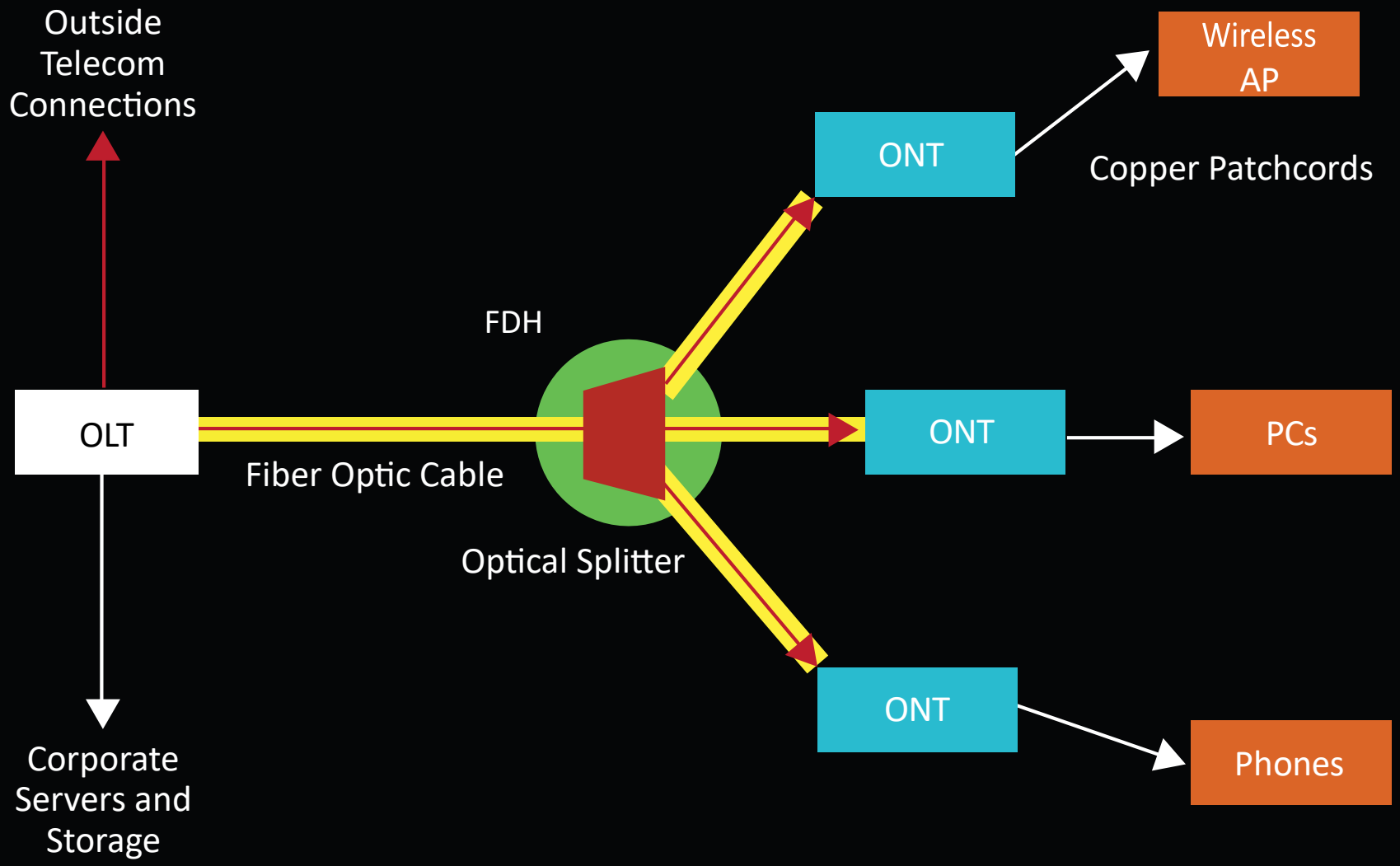




16 Channel WDM Cassette



48 Channel WDM Cassette


Outside
Telecom
Connections
Wireless
AP
ONT
Copper Patchcords
FDH
OLT
Fiber Optic Cable
ONT
PCs
Optical Splitter
ONT
Phones
Corporate
Servers and
Storage

Optical Power Management

The optical power splitter supports both single mode and multi mode applications in a modular EXO™ form factor.



Single-mode LC Splitter Cassette



Single-mode MTP Splitter Cassette



Multi-mode LC Splitter Cassette



Multi-mode MTP Splitter Cassette

Connectivity Table

Mix and Match Any Connectivity Types in the EXO 1RU Panel



Cooper

Connections	Module Type
SFP+ High-Speed DAC	12 Port Cassette
CAT6A RJ45	12 Port Feed-Through

DW DM Mux/DeMux Wavelength

Connections	Interface	Module Type
100GHz 8 Channel	LC Com, LC λ	Cassette
100GHz 16 Channel	LC Com, MTP λ	Cassette
100GHz 48 Channel	LC Com, MTP λ	Cassette

Optical Power Management

Connections	Mode Type	Module Type (Adater Color)
MTP	SMF	Cassette (Black)
MTP	OM4	Cassette (Gray)
LC	SMF	Cassette (Blue)
LC	OM4	Cassette (Aqua)

Fiber

Connections	Mode Type	Module Type (Adapter Color)	Application
MTP-LC	OM4	12 Port/3x MTP Cassette (Aqua/Gray)	QSFP+, QSFP28 Compatible Backbone
MTP-LC	OM4	12 Port/2x MTP Cassette (Aqua/Gray)	QSFP+, QSFP28 Compatible Backbone
MTP-LC	OM4	12 Port/1x MTP Cassette (Aqua/Black)	CXP 100G Compatible Backbone
MTP-LC	SMF	12 Port/2x MTP Cassette (Blue/Black)	MTP Backbone to LC Patching
LC-LC	MM	12 Port Feed-Through (Aqua)	Low Loss Direct Connect
LC-LC	SMF	12 Port Feed-Through (Blue)	Low Loss Direct Connect
SC-SC	MM	6 Port Feed-Through (Beige)	Low Loss Direct Connect
SC-SC	SMF	6 Port Feed-Through (Blue)	Low Loss Direct Connect
MTP-MTP	MM/SMF	6 Port Feed-Through (Black)	CXP 100G MM Plug & Play; SM
MTP-MTP	MM/SMF	12 Port Feed-Through (Black)	CXP 100G MM Plug & Play; SM
MTP-MTP	MM	6 Port Feed-Through (Gray)	QSFP+ 40G, QSFP28 100G
MTP-MTP	MM/SMF	12 Port Feed-Through (Gray)	QSFP+ 40G, QSFP28 100G




WAVE2WAVE.io
Cabling. Power. Connectivity - Simplified
10 10
10 10
40
100
120
EXO™
EXO mini