ALL-IN-ONE-CABINET

Base Product

All-In-One FLX Integrated PON Cabinet

- Supports DWDM and CWDM passive modules
- Mounts up to 24 optical splitter modules with 1:2, 2:2 1:4, 1:8, 1:16, 1:32 and 1:64 configurations
- Distribution field terminates 576 fibers on LC/APC connectors on two 288-fiber cable stubs
- Feeder field terminates 48 fibers on LC/APC connector on a 48-fiber cable stub

The CommScope FLX integrated next-gen PON cabinet: The complete, flexible solution

With this all-in-one cabinet, customers eliminate the need for multiple separate cabinets. As an integrated solution with next-gen PON remote OLT shelves, built-in fiber distribution hub technology (FDH) and value-added modules such as optical splitters, DWDM and more, the CommScope FLX integrated next-gen PON cabinet's interior offers ample space for customizable power management, GR-487 compliant cabinet and cooling, battery backup, rectifier and more.

It can connect nearby rural homes or sub-tended FDHs to further extend rural connectivity. With up to 64 OLT ports and a 1:128 PON split ratio, a single CommScope FLX integrated next-gen PON cabinet can serve up to 8,192 subscribers via sub-tended FDHs. It also supports a variety of FTTH distribution split architectures including centralized, distributed/cascaded and TAP.

CommScope's FLX integrated next-gen PON cabinet by the numbers:

- 8,192 subscriberscan be connected
- 64 PON ports available since the cabinet supports up to four FLX XP6164S PON OLT shelves
- Base cabinet is 48 in tall/ 21 RU meets municipalities' height requirement while providing maximum interior capacity
- Sidecar cabinet is 19 RU with a panel width of 16" (406.4 mm)
- 1,500W thermosiphon's ability provides built-in cooling which is GR-487-complaint
- Less than 60 dBof noise for low sound level
- Supports DWDM and CWDM passive modules
- Mounts up to 24 optical splitter modules with 1:2, 2:2 1:4, 1:8, 1:16, 1:32 and 1:64 configurations
- Distribution field terminates 576 fibers on LC/APC connectors on two 288-fiber cable stubs
- Feeder field terminates 48 fibers on LC/APC connector on a 48-fiber cable stub

Product Classification

Regional Availability	North America
Portfolio	CommScope®
Product Type	Fiber PON cabinet
Product Brand	CommScope FLX™
Product Series	FLX
Warranty	Two years

General Specifications

Accoustic Level, maximum	60 dB

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Alarm Type	Door alarm
Auxiliary Power Input	Yes
Cable Type	Armored - Single Loose Tube
Color	Light Gray (RAL 7035)
Interior LED light	Both chambers
Interface, Input	LC
Interface Feature, Input	APC
Lock Type	Padlock ready
Mounting	Handhole	Pad
Node Storage Capacity	2
Rack Storage	13RU (19 in)
Splitter Type	1 x 64
Heat Management	1,500 W Thermosiphon

Dimensions

Height	1216 mm	47.874 in
Width	1224 mm	48.189 in
Depth	697 mm	27.441 in
Cable Length	30.48 m	100 ft
Enclosure Size	Large

Application Drawing

COMMSCOPE®
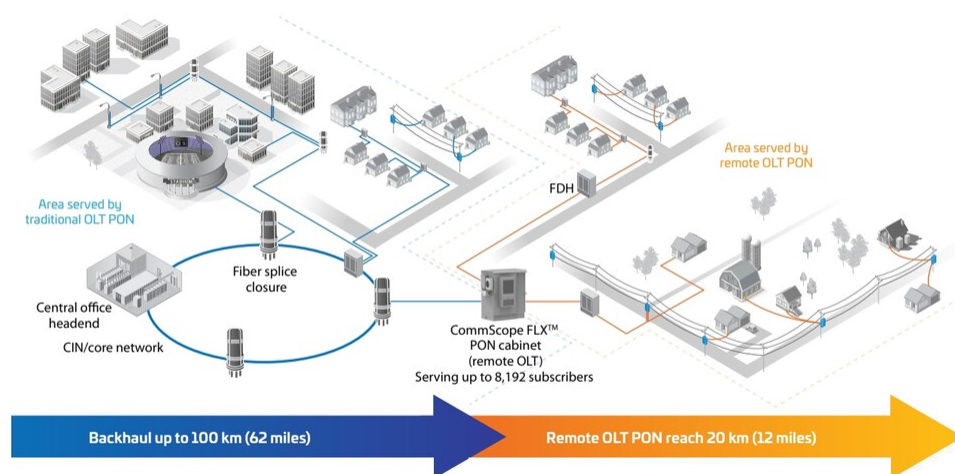
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Material Specifications

Finish	Powder coated
Material Type	Aluminum

Environmental Specifications

Environmental Space	Above ground
Qualification Standards	Telcordia GR-487-CORE

Packaging and Weights

Packaging quantity	1
Packaging Type	Pallet

* Footnotes

Warranty	For more information, please consult our Product Warranty guidelines

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