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 subscribers can 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 dB of 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
### 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

![Application Drawing](image_url)
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