

FieldSmart® Fiber Delivery Point (FDP)

Indoor 96-Port PON Wall Box



Application

The FieldSmart Fiber Delivery Point (FDP) 96-Port PON Indoor Wall Box has been optimized for MDU applications. Configurable with up to 96 distributed ports and 12 feeder ports, users can easily scale their networks using the same consistent Clearview® Cassette deployment strategy. With the ability to house up to three 1 x 32 splitters, the Indoor Wall Box supports PON applications, as well as fiber demarcations, entrance facilities and security systems (CCTV).

Description

In the middle of the FieldSmart Fiber Delivery Point (FDP) Indoor Wall Box line is the 96 Port, which allows the user to easily scale 12 to 96 distributed ports. Designed from conception to provide fast and easy fiber jumper routing with ease of access to all circuits, the FieldSmart FDP Wall Box system is craft-friendly, keeping the installer's needs for quick deployment, intuitive use and ease of maintenance as the top priorities. Utilizing Clearview Cassettes, the product is shipped loaded with the industry standard adapter of choice and can be configured for patch only, patch and splice (Clearfield's in-cassette splicing solution) and MPO plug-and-play applications, while supporting all cable constructions for the inside plant. It is ring cut or mid-span capable, allowing for the distribution cables to be daisy-chained and for fiber hand-off through the riser. The box has a swinging bulkhead for rear-access to the cassettes and protects sub-unit slack storage, security enabled doors for extra protection and a solid enclosure to protect fiber terminations from damage.

Features and Benefits

Integrity

- Terminations designed, tested and certified to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Fiber cable certified to Telcordia GR-20 and GR-409
- Supports all industry standard singlemode and multimode connectors
- 100% performance tested for insertion loss, return loss and final mechanical inspect

Protection

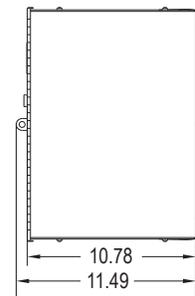
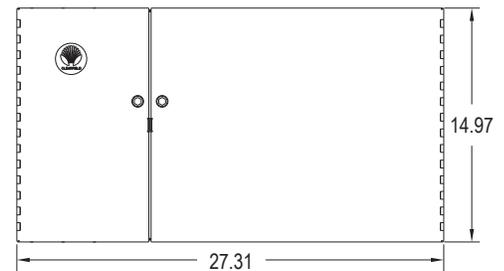
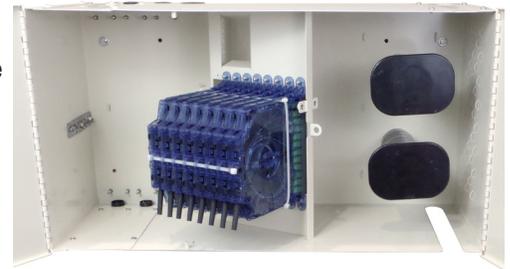
- Radius protected storage for up to five meters of jacketed fiber or patch cord slack is provided (patch side)
- Rugged steel construction with security enabled doors provide protection from tampering or inadvertent damage with industry standard can wrench fasteners
- Integrated fiber management protects fiber from micro-bend and macro-bend damage
- A grounding lug is included

Access

- Removable doors and non-angled connectors enable fast, easy fiber jumper routing, reducing the risk of fiber damage when cleaning or patching fibers
- Ships ready to install with cable clamp kit and miscellaneous accessories
- Upper and lower entry/exit points for feeder/customer premise cables
- Larger design facilitates ease of access in the environments product is deployed and is accessible using a standard can wrench
- Pre-loaded for patch and splice or patch only applications

Investment

- Scalable to 96 distributed ports and 12 feeder ports of fiber using Clearview Cassettes loaded with the interface of your choice
- Pre-configured/pre-loaded factory terminated assemblies
- Box can be configured as a tie box and later converted to patch only or patch and splice, utilizing the Clearview Cassette



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Technical Specifications

FieldSmart Indoor 96-Port PON Wall Box	
Dimensions	14.97" H x 27.31" W x 10.78" D (380.24 mm x 693.67 mm x 273.81 mm)
Port Density	Up to 96 distributed ports and 12 feeder ports
Cassette Types Supported	Clearview® Blue
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, MPO
Cable Types	Indoor Riser, Indoor Plenum, Indoor/Outdoor
Splice Capacity	12 or 24 splice configurations in each Clearview Cassette
Storage Capacity	One meter of 900 µm fiber and up to 5 meters of jacketed fiber
Material	18 gauge cold rolled steel (almond powder coating)

Configured Part Numbers

W _____ - _____ - _____ - Z Z _____ XXXM or XXXF

1 2 3 4 5 6 7

1 Select Wall Panel Style
M = Patch only
N = Patch and Splice
P = Tie panel

2 Select Clearview Cassette
B = Clearview Blue

3 Select Port Count
X X X = port count in increments of 12

4 Select Connector Style
A = SC/UPC
C = SC/APC
F = LC/UPC
H = LC/APC

5 Select Mode / Type
1 = Singlemode, non ribbon
2 = Singlemode, ribbon
3 = Multimode (62.5)
9 = No fiber – multimode
0 = No fiber - singlemode

6 Select Cable Construction
A = Indoor riser rated (IFC)
B = OSP riser rated
C = Indoor, plenum rated (IFC)
E = OSP (non-rated)
F = Patch and splice (loose tube)
M = OSP (non-rated armored)
Z = None or patch and splice (ribbon)

7 Select Cable Exit *
2 = Top left
4 = Bottom left
Z = N/A – use for patch and splice

XXXM or XXXF

XXXM = Length in meters
XXXF = Length in feet

* Cable exit is defined by which direction the cable exits the panel when viewing it from the front.

Accessories

- Ruggedized Splitter
- Dust Cover Plates (016023) - plate kit includes two plates and eight screws
- Plate Kit (016023-01) - plate kit includes two plates, eight screws and eight rubber hole plugs

