FieldSmart® Fiber Scalability Center (FSC)
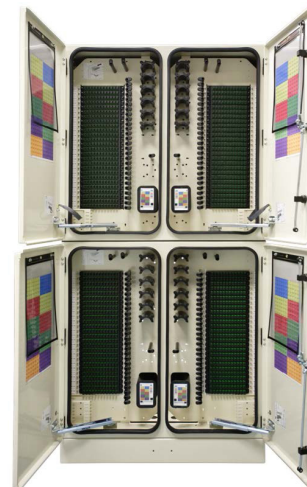## *1152-Port PON Cabinet*

Application

FieldSmart FSC PON Cabinets provide an interconnect environment from the feeder network through the optical passive splitter to the distribution network in an FTTH PON OSP cabinet. These different cabinet sizes provide scalability from 12 ports to 1,152 ports. Designed for the outside plant environment, these cabinets provide a single distribution point to distribute FTTH in urban or dense neighborhood.

Description

The FieldSmart FSC PON is the complete solution for managing 12 to 1,152 port distribution fibers for an outside plant FTTx PON application. Through the incremental design of the Clearview® Cassette, user capacity can be scaled from as few as 12 ports to the maximum configuration of the cabinet, allowing the service provider to align the investment in capital equipment to the turn-up of revenue-generating circuits

Features and Benefits

Integrity
- Terminations are designed, tested and certified to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Designed, tested and certified to Telcordia GR-3125
- Constructed with 0.125 (3.125 mm) aluminum
- Powder coated for additional protection
- 300 series stainless steel fasteners used on all cabinets
- Optional 4" and 12" risers, can be stacked to raise cabinet if required

Protection
- 12-fiber Clearview Cassette protects fiber from environmental and human factors
- Rugged cable clamps protect the OSP cable breakouts from twisting and pistoning
- Patch only buffer tubes are fully protected with ruggedized, bend-limiting tubing
- Snake skin sleeving provides additional buffer tube slack storage protection and manageability for patch and splice (Clearfield's in-cassette splicing solution) configurations
- Splitters are built with ruggedized jacketing and bend-insensitive fiber for all input and output legs

Access
- Clearview Cassette allows for quick visual troubleshooting without opening cassette
- Front access to pre-terminated assemblies with Clearview removable adapter plate
- Easy two captive fasteners for quick removal of individual cassettes for troubleshooting, splicing or replacing

Investment
- Fiber is deployed in increments of 12, providing the users the ability to scale from 12 ports to full capacity, aligning capital investment with network layout or subscriber revenue
- Express ports allow for extensions or parallel networks through the cabinet
- Patch and splice configurations eliminate costs associated with jacketed IFC cabling, hand-holes and splice cases.

Accessories

- Risers: 4" (101.60 mm) and 12" (304.80 mm)
- Exterior Ground Box — Available with 12" Riser Only
- Ruggedized Splitter Bays
- Mid-Span/Feed-Through Plate Kit
- Optional LGX Adapter Bracket Kit (P/N 014380) available to accommodate 6 LGX style modules or 13, ½ wide LGX modules. Max port capacity decrease by 84 (7 cassettes) when used.
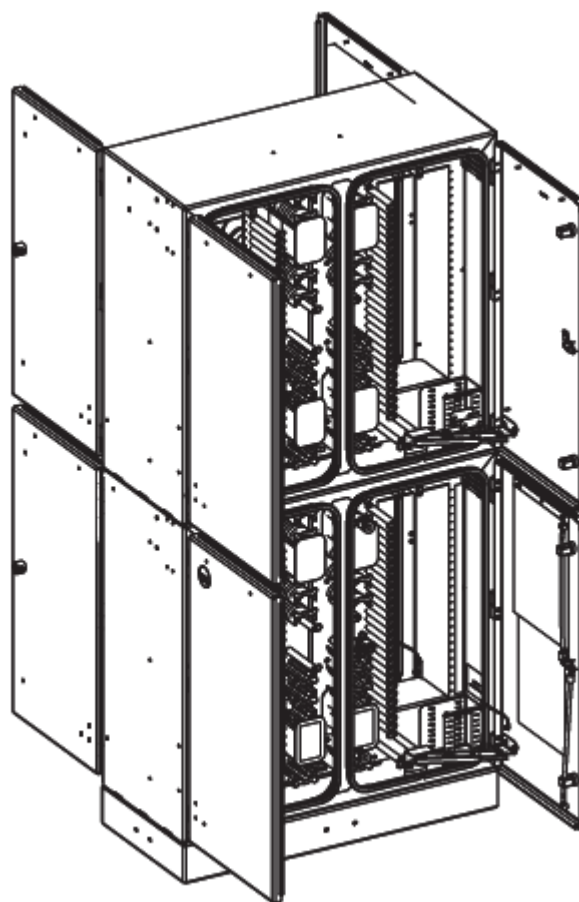
FieldSmart® Fiber Scalability Center (FSC)
1152-Port PON Cabinet

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Technical Specifications

FieldSmart 1152-Port PON Cabinet	
Dimensions (without riser)	64" H x 33" W x 16.9" D (1625.60 mm x 838.20 mm x 429.26 mm)
Weight	172 lbs (78.02 kg)
Port Density	1,152
Feeder/Express Ports	192
Cable Entrances	12
Mounting Options (Hoist kits included with each cabinet)	Vault mount; pad mount
Standard Riser Base	4"; 8 lbs (101.60 mm; 3.63 kg)
Optional Riser Base	12"; 20 lbs (304.80 mm; 9.07 kg)
Splitter Slots	36
Cassette Types Supported	Clearview® Blue
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC
Cable Types	Indoor/Outdoor, Outdoor (Riser/Non-Rated), Outdoor Armored (Riser/Non-Rated)
Splice Capacity	12 splices in each Clearview Cassette
Material	0.125 (3.175 mm) aluminum with almond powder coating

1,152 Port FDH

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1152-Port PON Cabinet

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Configured Part Numbers

1,152-Port Cabinet
- Please contact your Clearfield® representative for more information on ordering this option.

Vault Options

Part Number	Description
VC7B-CZP	Vault, Below Grade Clearfield, Split HDPE Lid, with Cut Out for FieldSmart Cabinets, Flared Wall, with Bolt Kit