

# FieldSmart® Fiber Scalability Center (FSC)

## Hub Collapse Cabinet



### Application

The FieldSmart Hub Collapse Cabinet (HCC) provides a centralized location within a service provider's network that houses both fiber terminations and optical components. This eliminates the need for a physical "hub" location, thereby saving land, maintenance and permitting expenses. Service providers increase revenue by collapsing multiple locations into one centralized service point.

### Description

The FieldSmart Hub Collapse Cabinet (HCC) is designed for the cable operator looking to separate their passive infrastructure from the electronics without the need for a traditional, and expensive, standard hub architecture. Hub collapse environments allow passive architecture to be placed in the most craft-friendly place for circuit and wavelength allocation and associated MAC (moves, adds, and changes) work - on the ground. Providing up to 120-fiber terminations using the Clearview® Cassette and up to 32 LGX compatible CWDM/DWDM modules, the FieldSmart Hub Collapse Cabinet (HCC) separates critical active components typically protected in the node, such as Cisco's O-Hub platform or Aurora V-Hub, and allows existing optical components to be reused throughout the network.



Clearfield's Hub Collapse Cabinet (HCC) provides a centralized location that will accommodate both optical components and fiber terminations, making it an ideal solution for service providers looking to maximize existing fibers within their network. With a small footprint (32" H x 16.78" W x 16.9" D - 812.80 mm x 1426.21 mm x 429.26 mm), real estate costs can be minimized with a variety of mounting options (pole, pad or vault mount).

### Features and Benefits

#### Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield® FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Designed to comply to Telcordia GR-20, GR-487 and GR-3125
- Designed to meet NEMA 4 specifications
- Constructed with 0.125 (3.125 mm) aluminum
- Powder coated for additional protection
- 300 series stainless steel fasteners used on all cabinets

#### Protection

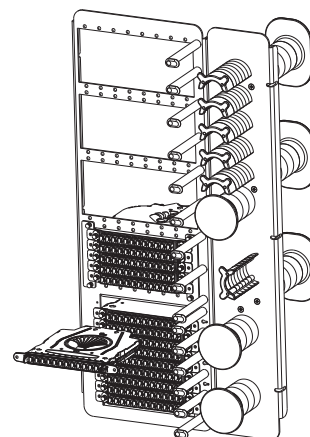
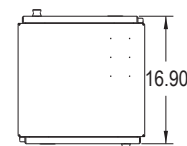
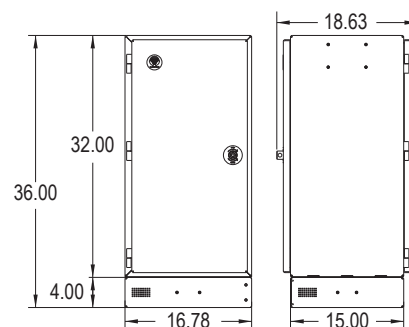
- 12-fiber Clearview Cassette protects fiber from environmental and human factors
- Rugged cable clamps protect the OSP cable breakouts from twisting and pistoning
- Patch only buffer tubes are fully protected with ruggedized bend-limiting tubing
- Snake skin sleeving provides additional buffer tube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

#### 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 trouble shooting, splicing or replacing
- Front and rear access doors
- Top exit available on HCC Cabinet
- Optional ground/locate box available

#### 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
- Eliminates building costs and permits for physical hub location structures



HCC Bracket: 014375

# FieldSmart® Fiber Scalability Center (FSC)

## Hub Collapse Cabinet



### Technical Specifications

FieldSmart FSC Hub Collapse Cabinet	
Dimensions (without riser)	32" H x 16.78" W x 16.9" D (812.80 mm x 426.21 mm x 429.26 mm)
Weight	54 lbs (24.49 kg)
Port Density	120 can add five additional cassettes - 60 ports per LGX slot using adapter plates
LGX Compatible Bulkhead Slots	32
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
Cables Entrances	6
Recommended Jumper Length	Two meters
Mounting Options (Hoist kit included with each cabinet)	Vault mount; pole mount; pad mount
Standard Riser Base	4"; 6 lbs (101.60 mm; 2.72 kg)
Optional Riser Base	12"; 12 lbs (304.80 mm; 5.44 kg)
Material	0.125 aluminum with almond powder coating

### Accessories

- Risers: 4" (101.60 mm) and 12" (304.80 mm)
- Exterior Ground Box — Available with 12" Riser Only
- FieldSmart Mid-Span/Feed-Through Plate Kit
- Pole Mount Kit
- Adapter Brackets (014375) - For adding cassettes into LGX slots (one set comes standard with each HCC Cabinet, additional sets can be ordered)
- Optional top exit available on HCC Cabinet

### Configured Part Numbers

R - A - - - - - XXXM or XXXF\*

1

2

3

4

5

6

7

1 Select Riser Size

A = 4" (101.60 mm)

B = 12" (304.80 mm)

2 Select Tie Plate Option

A = Tie plate option (3 slots)

Z = None

3 Select Distribution Port Count

012 = 12

024 = 24

036 = 36

048 = 48

060 = 60

072 = 72

084 = 84

096 = 96

108 = 108

120 = 120

4 Select Connector

A = SC/UPC

C = SC/APC

F = LC/UPC

H = LC/APC

5 Select Mode and Type

1 = Singlemode (non-ribbon)

2 = Singlemode ribbon

6 Select Jacket Construction

B = OSP riser

E = OSP (non-rated)

F = Patch and splice

M = OSP armored (non-rated)

Z = None or ribbon patch and splice

7 Extras

B = Clearview Blue Cassettes

D = Top exit with Clearview Blue

F = Vented door with Clearview Blue

J = Vented door with top exit and Clearview Blue

M = Ground Box in riser and Clearview Blue

N = Ground Box in riser, vented door, and Clearview Blue

XXXM or XXXF

XXXM = Length of pigtails in meters

XXXF = Length of pigtails in feet

\*200 feet maximum