

# FieldSmart Fiber Scalability Center (FSC)

288, 432, 576 or 1152-Port PON Cabinets



FSC 288, 432, 576 or 1152-Port PON Cabinets

## Application

Provides an interconnect environment from the DF network through the optical passive splitter to the AF network in an FTTH PON OSP cabinet. The FieldSmart FSC PON 1152-Port Cabinet sets the new bar for density, providing up to 1,152 fibers. The cabinet provides up to 1152 homes-served density, when environmental conditions exist as well as the need to distribute FTTH in urban or dense neighborhood from a single AF point.

## Description

The FieldSmart FSC PON is the complete solution for managing 1152 home-served port AF 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 & Benefits

### Integrity

- 100% tested GR-326 compliant terminations
- GR-20, GR-409, GR-487, GR-1221 and GR-1209 compliant
- All cabinets are constructed with .125 aluminum
- All cabinet parts are powder coated for additional protection
- 300 series stainless steel fasteners used on all cabinets

### Protection

- 12-fiber Clearview Cassette houses each 12-fiber increment of patch only or patch & splice, protecting fiber from the environment and human factors
- Rugged cable clamps protect against twisting/ pistoning of the critical breakout or buffer tube access point of the OSP cable
- Patch only buffer tubes fully protected with ruggedized bend limiting tubing
- Snakeskin sleeving provides additional buffer tube slack storage protection and manageability for patch & splice configurations
- Small splitter package for minimal space requirements, ruggedized jacketing on input/output legs and bend insensitive fiber
- Ground/locate box optional

### 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 hot swappability
- Front and rear access

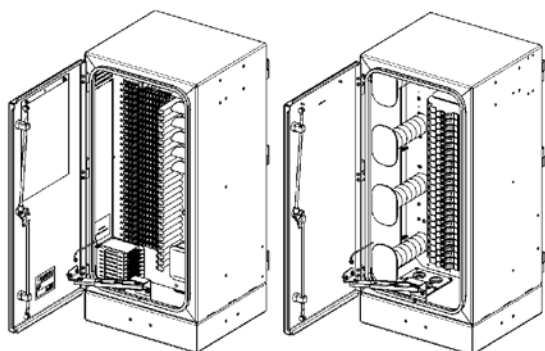
### Investment

- All fiber deployed in increments of 12, providing the users to the ability to scale from 12 ports to full capacity aligning capital investment with network layout or subscriber revenue
- User defined DF to AF ratios for cross-connect environments for ultimate flexibility
- Express ports allow for extensions or parallel networks through the cabinet
- Patch & splice configurations eliminate costs associated with jacketed IFC cabling, hand-holes, and splice cases



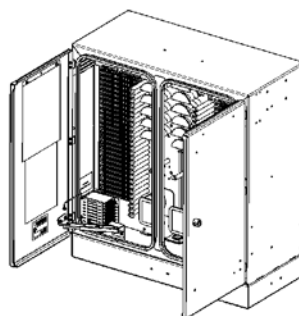
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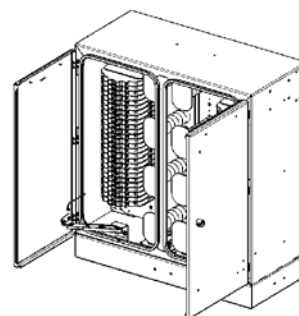


288-Port Front View

288-Port Rear View



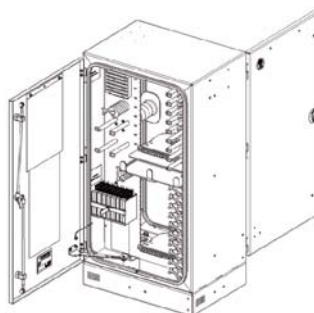
576-Port Front View



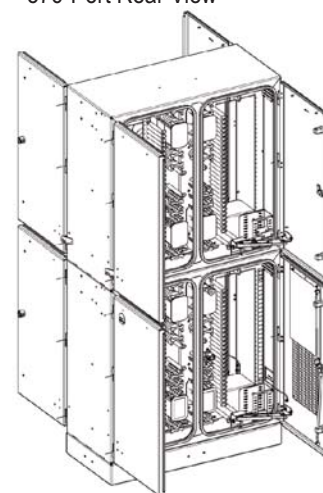
576-Port Rear View

## Accessories

- 12" Riser
- 4" Riser
- Ruggedized Splitter
- Mid-span/Feed-through Plate Kit
- Ground Box
- Pole Mount Kit
- Optional LGX Adapter Bracket Kit (P/N 014380) available to accommodate 6 LGX style modules or 13 - 1/2 wide LGX modules. Max port capacity decrease by 84 (7 cassettes) when used.
- Vault Mount Adapter Plate Kit
- Bolt & Template Kits for Vault Mount



432-Port Front View



1152-Port Rear View

## Specifications

	288-Port	432-Port	576-Port	1152-Port
Size	32" H x 17" W x 16 3/4" D (54 lbs.)	37"H x 21 1/8"W x 17"D (66 lbs.)	32"H x 33"W x 17"D (86 lbs.)	64" H x 33"W x 17"D (172 lbs.)
Standard Riser Base	4" (6 lbs.)	4" (6 lbs.)	4" (8 lbs.)	4" (8 lbs.)
Optional Riser Base	12" (12 lbs.)	12" (16 lbs.)	12" (20 lbs.)	12" (20 lbs.)
Vault Mount (See CraftSmart FPV for option sizes)	Yes	Yes	Yes	Yes
Pole Mount	Yes	Yes	No	No
Pad Mount	Yes	Yes	Yes	Yes
Splicing	Within Clearview Cassette	Within Clearview Cassette	Within Clearview Cassette	Within Clearview Cassette
Maximum Home Served, multiplied in 12-port Clearview Cassettes	288	432	576	1152
Feeder/Express Ports	48	48	96	192
Cables Entry	6	6	12	12
Splitters Slots	9	14	18	36
Dual 1 x 16, Quad 1 x 8	Yes	Yes	Yes	Yes
Ground Locate Box	Yes - Optional	Yes - Optional	Yes - Optional	Yes - Optional

# FieldSmart Fiber Scalability Center (FSC)

## 288, 432, 576 or 1152-Port PON Cabinets



R - - - - - XXXM or XXXF

1 2 3 4 5 6 7 8 9 A

**1 Select cabinet type**  
 N = Patch only w / 4" riser  
 P = Patch & splice w / 4" riser  
 3 = Patch only w / 12" riser  
 4 = Patch & splice w / 12" riser

**2 Select feeder port count**  
 1 = 12 ports (1 cassette)  
 2 = 24 ports (2 cassettes)  
 3 = 36 ports (3 cassettes)  
 4 = 48 ports (4 cassettes)

**3 Select distribution 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

**6 Select cable construction**  
 B = OSP Riser  
 E = OSP, Non-Rated (Patch only)  
 F = Patch & Splice  
 M = OSP Armored

**7 Select Qty of 144 - fiber OSP cables**  
 0 = 0  
 1 = 1  
 2 = 2

**8 Select Qty of 96 - fiber OSP cables**  
 0 = 0  
 1 = 1  
 2 = 2  
 3 = 3

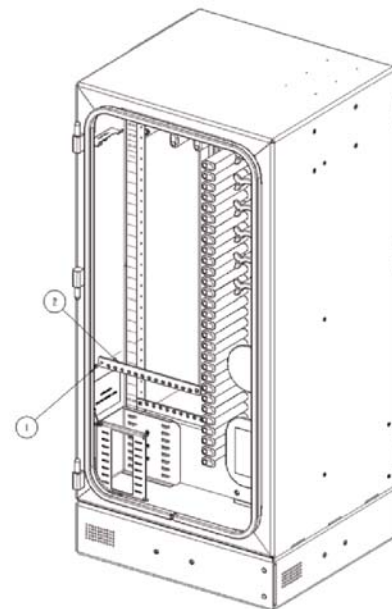
**9 Select Qty of 72 - fiber OSP cables**  
 0 = 0  
 1 = 1  
 2 = 2  
 3 = 3  
 4 = 4  
 5 = 5  
 6 = 6

**A Select ground / locating box**  
 A = Ground box (with Clearview Blue)  
 B = Clearview Blue Cassettes  
 G = Ground box (with Clearview Classic)

XXXM or XXXF  
 XXXF = Length of pigtails in feet  
 XXXM = Length of pigtails in meters

### 1152-Port Cabinet

Please contact your Clearfield representative for more information on ordering this product.



LGX Bracket P/N 014380 in 288 cabinet

R - - - - - XXXM or XXXF

1 2 3 4 5 6 7 8 9 A

**1 Select cabinet type**  
 A = Patch only w / a 12" riser  
 B = Patch only w / 4" riser  
 C = Patch & splice w / 12" riser  
 D = Patch & splice w / 4" riser

**2 Select feeder port count**  
 1 = 12 ports (1 cassette)  
 2 = 24 ports (2 cassettes)  
 3 = 36 ports (3 cassettes)  
 4 = 48 ports (4 cassettes)

**3 Select distribution 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

**6 Select cable construction**  
 B = OSP Riser  
 E = OSP, Non-Rated (Patch only)  
 F = Patch & Splice  
 M = OSP Armored

**7 Select Qty of 144 - fiber OSP cables**  
 0 = 0  
 1 = 1  
 2 = 2  
 3 = 3

**8 Select Qty of 96 - fiber OSP cables**  
 0 = 0  
 1 = 1  
 2 = 2  
 3 = 3

**9 Select Qty of 72 - fiber OSP cables**  
 0 = 0  
 1 = 1  
 2 = 2  
 3 = 3  
 4 = 4  
 5 = 5  
 6 = 6

**A Select ground / locating box**  
 A = Ground box (with Clearview Blue)  
 B = Clearview Blue Cassettes  
 G = Ground box (with Clearview Classic)

XXXM or XXXF  
 XXXF = Length of pigtails in feet  
 XXXM = Length of pigtails in meters

### Riser Options

Cabinet	Riser Option
288	4"
288	12"
432	4"
432	12"
576	4"
576	12"

Access doors on all 12" risers.

R - - - - - XXXM or XXXF

1 2 3 4 5 6 7 8 9 A

**1 Select cabinet type**  
 K = Patch only w / 4" riser  
 M = Patch & splice w / 4" riser  
 1 = Patch only w / 12" riser  
 2 = Patch & splice w / 12" riser

**2 Select feeder port count**  
 1 = 12 ports (1 cassette)  
 2 = 24 ports (2 cassettes)  
 3 = 36 ports (3 cassettes)  
 4 = 48 ports (4 cassettes)  
 5 = 60 ports (5 cassettes)  
 6 = 72 ports (6 cassettes)  
 7 = 84 ports (7 cassettes)  
 8 = 96 ports (8 cassettes)

**3 Select distribution 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

**6 Select cable construction**  
 E = OSP Non-Rated (Patch only)  
 F = 900um Tight Buffer (P & S only)

**7 Select Qty of 144 - fiber OSP cables**  
 0 = 0  
 1 = 1  
 2 = 2  
 3 = 3

**8 Select Qty of 96 - fiber OSP cables**  
 0 = 0  
 1 = 1  
 2 = 2  
 3 = 3  
 4 = 4  
 5 = 5  
 6 = 6

**9 Select Qty of 72 - fiber OSP cables**  
 0 = 0  
 1 = 1  
 2 = 2  
 3 = 3  
 4 = 4  
 5 = 5  
 6 = 6

**A Select ground / locating box**  
 A = Ground box (with Clearview Blue)  
 B = Clearview Blue Cassettes  
 G = Ground box (with Clearview Classic)

XXXM or XXXF  
 XXXF = Length in feet  
 XXXM = Length in meters

Configurators in this document are updated frequently and are for reference only. Please contact your sales representative for specific ordering information.

# FieldSmart Fiber Scalability Center (FSC)

288, 432, 576 or 1152-Port PON Cabinets



## Empty Cabinet Pre-configured Part Numbers

Part Number	Description
RXZ-000-ZZZ-000-01	FieldSmart Cabinet with 4 Inch Riser, Top Exit, 288 Maximum Capacity, No AF or DF Fibers, No Dome Label
RXZ-000-ZZZ-000-02	FieldSmart Cabinet with 4 Inch Riser, Top Exit, 432 Maximum Capacity, No AF or DF Fibers, No Dome Label
19067-RMZ-000-ZZZ-000	FieldSmart Cabinet with 4 Inch Riser, Bottom Exit, 576 Maximum Capacity, No AF or DF Fibers, No Dome Label
19067-RPZ-000-ZZZ-000	FieldSmart Cabinet with 4 Inch Riser, Bottom Exit, 288 Maximum Capacity, No AF or DF Fibers, No Dome Label

## 288 Port Patch Only Pre-configured Part Numbers - Preterm DF Ports, AF Ports Empty

Part Number	Description
19067-RN2-000-C2E-000-B 060F	FieldSmart PON Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 24 SC/APC DF Ports, 1 X 24 Fiber OSP Ribbon Non-Rated Non-Armored Feeder Pigtail In Clearview Blue Cassette, 60 Feet
19067-RN3-000-C2E-000-B 060F	FieldSmart PON Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 36 SC/APC DF Ports, 1 X 36 Fiber OSP Ribbon Non-Rated Non-Armored Feeder Pigtail In Clearview Blue Cassette, 60 Feet
19067-RN4-000-C2E-000-B 060F	FieldSmart PON Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 48 SC/APC DF Ports, 1 X 48 Fiber OSP Ribbon Non-Rated Non-Armored Feeder Pigtail In Clearview Blue Cassette, 60 Feet

## 144 Port Patch Only Pre-configured Part Numbers - Preterm DF Ports and AF Ports

Part Number	Description
19067-RN2-144-C2E-100-B 060F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 144 Sc/Apc AF Ports , 1 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 060 Feet, 24 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN2-144-C2E-100-B 100F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 144 Sc/Apc AF Ports , 1 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 100 Feet, 24 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN2-144-C2E-100-B 200F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 144 Sc/Apc AF Ports , 1 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 200 Feet, 24 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN3-144-C2E-100-B 060F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 144 Sc/Apc AF Ports , 1 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 100 Feet, 36 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label



19067-RN3-144-C2E-100-B 100F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 144 Sc/Apc AF Ports , 1 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 100 Feet, 36 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN3-144-C2E-100-B 200F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 144 Sc/Apc AF Ports , 1 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 200 Feet, 36 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN4-144-C2E-100-B 060F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 144 Sc/Apc AF Ports , 1 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 60 Feet, 48 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN4-144-C2E-100-B 100F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 144 Sc/Apc AF Ports , 1 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 100 Feet, 48 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN4-144-C2E-100-B 200F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 144 Sc/Apc AF Ports , 1 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 200 Feet, 48 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label

## 288 Patch Only Pre-configured Part Numbers - Preterm DF Ports and AF Ports

Part Number	Description
19067-RN4-288-C2E-200-B 060F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports , 2 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 60 Feet, 48 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN4-288-C2E-200-B 100F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports , 2 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 100 Feet, 48 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN4-288-C2E-200-B 200F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports , 2 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 200 Feet, 48 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN4-288-C2E-200-D 100F	FieldSmart Pon Cabinet With 4 Inch Riser, Top Exit, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports, 2 X144 Fiber OSP Ribbon Non-Rated Non-Armored, 100 Feet, 48 OSP Feeder Fiber Pigtail In Clearview Blue Cassette, No Dome Label.
19067-RN4-288-C2E-200-D 200F	FieldSmart Pon Cabinet With 4 Inch Riser, Top Exit, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports, 2 X144 Fiber OSP Ribbon Non-Rated Non-Armored, 200 Feet, 48 OSP Feeder Fiber Pigtail In Clearview Blue Cassette, No Dome Label.
19067-RN3-288-C2E-200-B 060F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports , 2 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 60 Feet, 36 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN3-288-C2E-200-B 100F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports , 2 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 100 Feet, 36 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label

# FieldSmart Fiber Scalability Center (FSC)



## 288, 432, 576 or 1152-Port PON Cabinets

19067-RN3-288-C2E-200-B 200F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports , 2 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 200 Feet, 36 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN2-288-C2E-200-B 060F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports , 2 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 60 Feet, 24 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN2-288-C2E-200-B 100F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports , 2 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 100 Feet, 24 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RN2-288-C2E-200-B 200F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 288 Maximum Capacity, Loaded With 288 Sc/Apc AF Ports , 2 X144 Fiber Osp Ribbon Non-Rated Non-Armored, 200 Feet, 24 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label

## 576 Port Patch Only Pre-configured Part Numbers - Preterm DF Ports and AF Ports

Part Number	Description
19067-RK8-576-C2E-400-B-100F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 576 Maximum Capacity, Loaded With 576 Sc/Apc AF Ports , 4 X 144 Fiber Osp Ribbon Non-Rated Non-Armored, 100 Feet, 96 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label
19067-RK8-576-C2E-400-B-200F	Fieldsmart Pon Cabinet With 4 Inch Riser, Fiber Patch Only, 576 Maximum Capacity, Loaded With 576 Sc/Apc AF Ports , 4 X 144 Fiber Osp Ribbon Non-Rated Non-Armored, 200 Feet, 96 Osp DF Fiber Pigtail In Clearview Blue Cassette, No Dome Label

## Accessory Kit Pre-configured Part Numbers

Part Number	Description
FMA-XXX-14	Expansion kit (includes 3 additional sealcons and grommets)



Expansion Kit  
FMA-XXX-14

**EQUIPMENT  
FOR SALE**

# CLEARFIELD 576 FSC CABINETS

**FieldSmart Fiber Scalability Center Cabinets  
INCLUDES Splitters, Splice Enclosures, & Vaults**



FieldSmart® Fiber Scalability Center (FSC) cabinets, developed by Clearfield, are utilized by a diverse range of telecommunications and utility providers to manage and scale fiber networks. These cabinets are integral in facilitating fiber-to-the-home (FTTH) deployments, offering modular and scalable solutions for fiber distribution.

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