

Introduction to Outside Plant Solutions

FieldSmart® Products



The goal of today's outside plant deployment is to cost-effectively consolidate and distribute fiber deeper into the network.

At Clearfield®, Outside Plant FieldSmart products are designed from the ground up based on field-proven experience and offer truly unique solutions for today's FTTx rapid deployment demands. FieldSmart Fiber Scalability Center (FSC) Cabinets use the same modular components as FieldSmart FxDS Frame Kits deployed in the Inside Plant, allowing technicians the ease of working with a single fiber management platform regardless of Inside or Outside Plant deployment.

FieldSmart Fiber Scalability Center (FSC) Cabinets

The FieldSmart Fiber Scalability Center (FSC) line of products sets the bar for fiber access, protection and density among outside plant cabinets for PON, cross-connect or hub collapse environments. With the Clearview® Cassette as its foundation, the FieldSmart FSC line uses the same components as the FieldSmart FxDS deployed in the inside plant. This enables service providers to standardize on a single building block, allowing a single fiber management component to be deployed for both environments. This provides technicians the ease of working with a single fiber management platform regardless of inside or outside plant deployment - saving training and installation time.

- In a PON configuration, the FSC Cabinet is the complete solution for managing 288, 432, 576 or an astounding 1,152 fibers for outside plant FTTx applications.
- In a cross-connect configuration, 432, 864 or 1,728 feeder/distribution ports can be deployed and the cabinet supports a user defined feeder-to-distribution ratio without any real estate penalty.
- 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 standard hub architecture and it reduces operating costs associated with moves, adds and changes.

FieldSmart Fiber Active Cabinets (FAC)

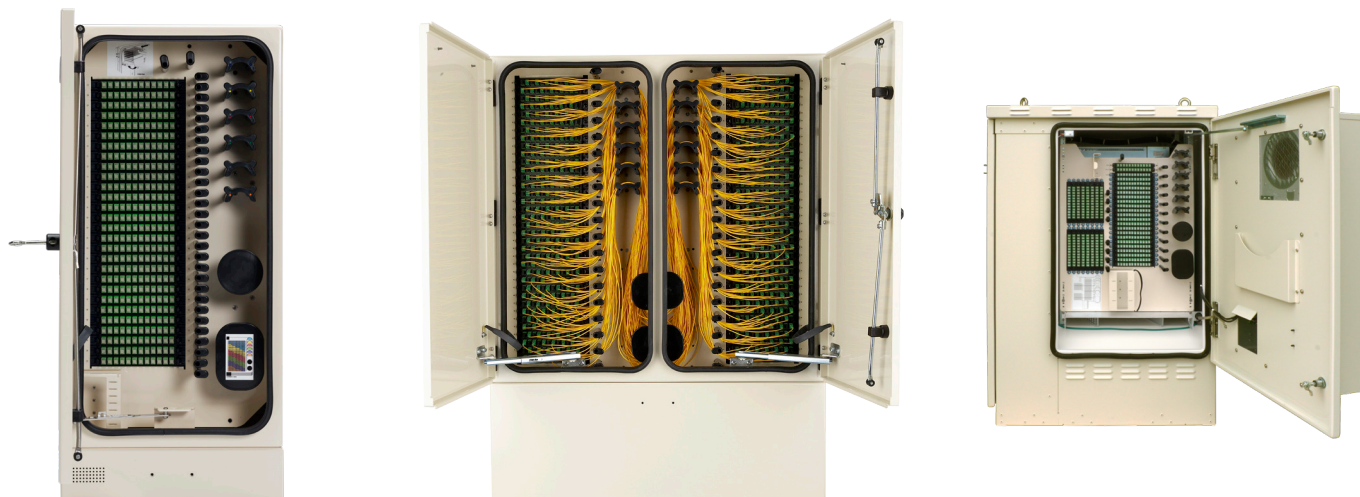
FieldSmart Fiber Active Cabinet (FAC) outdoor enclosure systems are specifically designed to complement the service delivery and network migration capabilities of advanced electronic systems. The FAC offers the wireline and wireless carriers the ultimate housing for Clearfield's unrivaled fiber management and the vendor's electronic equipment of your choice.

Splicing

FieldSmart changes the rules of fiber management as splicing can be done inside of the Clearview Cassette - allowing service providers to enjoy the cost savings of patch and splice (Clearfield's in-cassette splicing solution) without the hassles of traditional field splicing.

Splitter Density

Splitter density is maximized through the use of splitter modules that stack together in a top-loaded or side-by-side splitter cage that is easily accessed from the front of the cabinet. These ruggedized, outside plant-rated splitters ship with the individual legs "pre-staged" within a FieldSmart Staging Plate for easy and quick deployment.



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FieldSmart Fiber Scalability Center (FSC) Makwa® Fiber Distribution Hub (FDH)

The FieldSmart Makwa, incorporates all of the features found in our above ground cabinets and adds the ability to deploy the FieldSmart FSC Distribution Hub in a below grade application. Roughly 50% smaller than existing above grade cabinets, Makwa reduces real estate costs and improves density without compromising critical design elements of accessibility, bend-radius protection, physical fiber protection and route path diversity.

Providing 12 to 288 ports of connectivity for PON or 12 to 432 port of connectivity for cross-connect, the Makwa utilizes patch and splice or patch only technology in any network environment. The FieldSmart FSC Makwa is scalable to meet customer's specific requirements and has the ability to be mounted either above or below-ground, taking the potential above grade aesthetics issue out of the deployment equation.



FieldSmart Cabinets (Passive)



FieldSmart Cabinets (Powered)

Inspect and clean EVERY connector BEFORE inserting into adapter. See page 305 for cleaning instructions.