

CLEARFIELD: SOLVING THE FIBER PUZZLE

SIMPLE, SCALABLE AND COST-FRIENDLY

Traditionally fiber management has been designed “from the outside in.” All hardware that provides the necessary protection was designed into the box — thereby limiting scalability. At Clearfield, we believe fiber management needs to be different. To save costs and reduce deployment time, fiber management shouldn’t be a fixed, up-front expense. Instead, it should be able to grow in-step with your subscriber take rates and revenue. It also should be based upon a single architecture – so that your inventory carrying costs are reduced and your training time is limited. The result is the Clearview Cassette, the heart of the FieldSmart fiber management product line which includes:

- FieldSmart FxDS - Main frame fiber distribution
- FieldSmart FSC - Fiber distribution
- FieldSmart FDP - Wall mount and pedestal solutions for the access network”

THE CLEARVIEW CASSETTE

With Clearview, the rules of fiber management have changed. No more does the service provider need to consider fiber management within the network layout—it’s already built into the solution. The Clearview Cassette is a system of 6 parts that fully nest together to support any application in the inside or outside plant. Parts are added or removed to support the configuration element desired for the environment into which it is being deployed. All types of fiber construction can be integrated into the cassette. The cassette can support all patch only, patch & splice, passive optical component hardware, and plug n’ play scenarios.

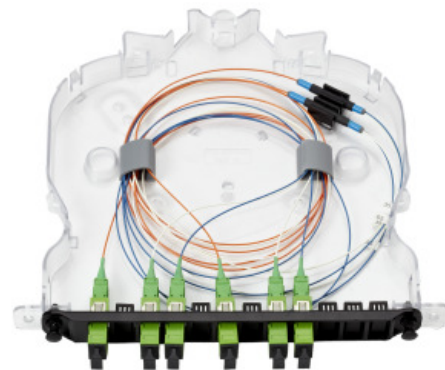
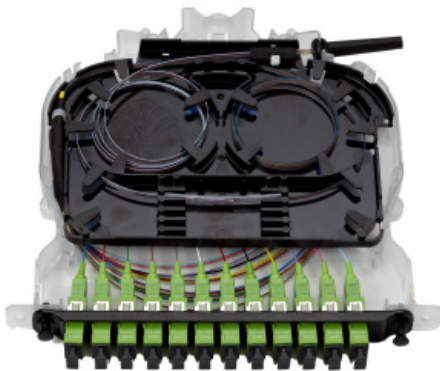
PATCH AND SPLICE:

THE MOST COST-EFFECTIVE SOLUTION FOR YOUR NETWORK

By integrating a splice tray that nests into the lower tray, service providers can reap the cost savings of a patch and splice environment without the traditional deployment tradeoffs.

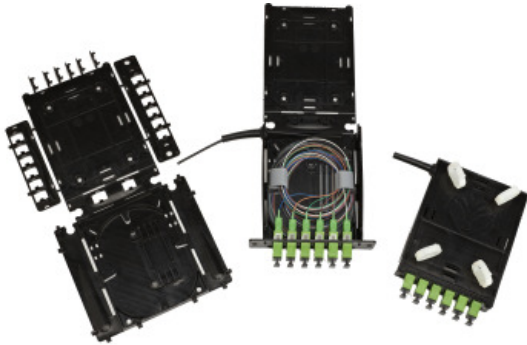
OPTICAL COMPONENTS

Optical components are also available within the cassette footprint, allowing service providers to mix and match fiber modules with optical component modules in the same chassis.



CLEARVIEW XPAK

Delivering the fastest and most convenient method to land small-count fiber and optical components. When you're looking for the same concepts of fiber management as the Clearview Cassette, but you are working with only a few fibers, the Clearview xPAK is engineered to land small port count fiber assemblies and optical components as conveniently and inexpensively as possible.



At first glance, Clearview xPAK looks like any other LGX compatible package, but upon closer inspection, Clearview xPAK unfolds to a flat, single-piece element in which all required components for fiber protection are integrated. The kit comes equipped with a flat cassette, adapters, (1) 2, 4 or 6 fiber 900 um 1/2 meter assembly, splice sleeves, strain relief boot, grommet tape, and zip ties. Priced to allow field personnel to carry cartons of Clearview xPAK Cassettes in the field, xPAK is shipped flat and unassembled.

Application environments include:

- Cell backhaul
- Business class service delivery
- Node segmentation
- Fiber exhaust in a field pedestal
- Sub-station turn-up
- Fiber-to-the-desk deployment.

ENCLOSURE OPTIONS

Clearview xPAK can be deployed as a stand-alone device, or for an additional layer of protection look for a series of new announcements from Clearfield featuring the FieldSmart SCD-Case and CraftSmart line line of fiber protection enclosures, including pedestals, vaults and boxes.

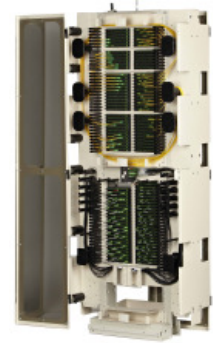
INSIDE PLANT: FIELDSMART FIBER CROSSOVER DISTRIBUTION SYSTEM (FXDS)

MODULAR CONSTRUCTION FOR SCALABLE CAPACITY

The FieldSmart Fiber Crossover Distribution System (FxDS) provides a system of modular and scalable building blocks to configure a frame system that delivers industry-leading scalability and fiber protection without jeopardizing density or increasing cost. Easily configured for initial placement and scales easily from 12 ports to a full rack of 1728 ports, the FieldSmart FxDS requires only 4 unique building blocks (SKU's) to configure initial deployment. The user then places into the frame what is needed as subscriber take rates dictate.

FIVE APPLICATION ENVIRONMENTS FROM ONE PLATFORM

- Stand Alone Panel in a 19" or 23" Frame
- Stand Alone Panel in a Data Cabinet
- Stand Alone Panel in an OSP Cabinet
- Full Interconnect Frame
- PON Frame



OUTSIDE PLANT: FIELDSMART FIBER SCALABILITY CENTER (FSC)

ENGINEERED FOR HARSH ENVIRONMENT RELIABILITY

The FieldSmart Fiber Scalability Center (FSC) sets the bar for fiber access, protection and density among outside plant cabinets for PON or cross-connect environments. With the Clearview Cassette as its foundation, the FieldSmart FSC 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 stocked for both environments. Technicians also have the ease of working with a single fiber management platform regardless of inside or outside plant deployment—saving training and installation time.

PON:

- * 288 fibers in 16 X 16 X 32
- * 576 fibers in 33 x 16 x 32
- * 1152 fibers in 33 x 16 x 64

Cross-Connect:

- * Either 432 or 864 distribution ports for a user-defined feeder to distribution ratio -- all without real estate penalty.

Benefits:

- * Splicing is done inside of the Clearview Cassette -- allowing service providers to enjoy the cost savings of patch and splice without the hassles of traditional splicing
- * Top-loaded splitter cage for maximum splitter density
- * Ships with disposable FieldSmart "Parking Block" for easy and rapid deployment of splitters



CLEARFIELD
Solving the Fiber Puzzle

For more information contact us at [888.375.8826](tel:888.375.8826) or e-mail us at sales@coretelecom.net

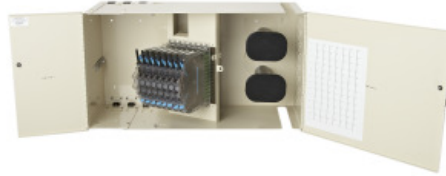


ACCESS NETWORKS: FIELDSMART FDP INDOOR & OUTDOOR WALL MOUNT PANELS

DESIGNS FOR BOTH INDOOR AND OUTDOOR DEPLOYMENTS

With the Clearview Cassette at its heart, the FieldSmart FDP Wall Mount Panel gives service providers plug and play integration based upon the configuration requirements of the application. With a choice of 12 or 24 ports, users can easily scale their networks using the same consistent Clearview Cassette deployment strategy.

- Fiber demarcation
- CATV applications
- Entrance facilities
- Security systems (CCTV)
- Telecommunications room
- Horizontal/intermediate cross-connects
- MDU (Multi Dwelling Units) applications



MDU APPLICATIONS

The 144-port Indoor Wall Mount Panel has been optimized for MDU (Multi Dwelling Unit) applications. Able to support (4) splitters in a compact 24" x 26" x 8" footprint this panel is perfect for the deployment of PON-based FTTH networks in a MDU environment. Allowing up to 288-ports from a single deployment point (ganging (2) 144-port panels together), this panel also supports configurations for deploying flat drop cables to the customer dwelling unit.

TAKING FIBER DEEP INTO THE NETWORK

FiberDeep is a new class of fiber patch cords that GUARANTEES a .2 dB loss on every cord.

Clearfield cable assemblies are used in the most demanding environments, from global manufacturing to emerging communications. Clearfield fiber assemblies go beyond industry standards for insertion loss and return loss performance. Our design processes pay strict attention to geometries and our end-face cleanliness is second to none.



Simply the best patch cords around, Clearfield offers cable assemblies in custom and standard lengths, ranging from simple multimode and single mode patch cords, to some of the most complex assemblies in inside and outside plant environments, including distribution, breakout style, drop cable and drop node. Clearfield process engineers have perfected termination techniques for all types of specialty cable designs, including ribbon fiber, high-fiber count, and ruggedized.

OPTICAL COMPONENTS

Teaming world-class performance specs, customized configurations, and Clearfield's industry-leading termination skills, Clearfield's portfolio of optical components will meet every need in your network. Whether you choose to purchase an optical component in a discrete format (unpackaged) or package it in a Clearview Cassette or Clearview xPAK, broadband service providers have recognized Clearfield's standards of excellence in every optical component we sell— plus, through our custom configuration capabilities, these products are available exactly as your growing network requires.



For more information contact us at [888.375.8826](tel:888.375.8826) or e-mail us at sales@coretelecom.net

