

FieldSmart Fiber Crossover Distribution System (FxDS)

Fiber Management for the Inside Plant



The FieldSmart Fiber Crossover Distribution System (FxDS) is an integrated fiber management solution delivered via the Clearview Cassette. Like a system of building blocks, individual components of the system are configured to the environment in which they are placed for consolidation, distribution and protection. The system easily configures for initial placement and scales with single building blocks as needed.

Service providers may choose to deploy with or without the FxDS Frame Kit, an industry standard 7' x 19" seismic frame that is factory kitted and easily assembled with a set of interbay vertical slack management panels, two upper and lower crossover troughs, and a set of removable doors to provide for uninhibited access to routed jumpers and incoming multi-fiber cables on all sides of the route diverse platform: left and right, front and rear. The complete kit uses an industry-leading 36" x 20" physical footprint and is the first building block required for a HD Frame grow-as-you-go approach.

Common application scenarios are:

- Terminate Only (page 17)
- Integrated Optical Components (page 17)
- PON Insert (page 18)
- Hybrid Application (page 18)
- On an Industry Standard Frame (page 19)

User defined quantities of "Clearview Multiplied" fiber management bulkhead modules populate the frame for up to max capacities of 6 (288) or 11 (144) modules for an industry leading 1728-ports of connectivity or 1152-ports in a PON environment. The choice to fully or partially dedicate a cassette is up to the user, which provides the flexibility to align capital investment with subscriber revenue.

If the frame is being used for applications that require optical component functionality, such as wave division multiplexers or splitters, the Clearview Cassette integrates these components as well as allows the user to mix and match optical components with connectivity or dedicating bulkheads as separate functional chassis'. The choice is up to the user. An additional card cage is available to integrate Clearfield's cabinet splitters onto the frame, which allows for more usage of the same device across the network, minimizing inventory and increasing ease of use. The FxDS requires only 4 SKU's to configure initial deployment.

Elements of the FxDS:

- FxDS Frame Kit (page 21)
- FxDS PON Insert (page 18)
- Fiber Panels (page 23) - consists of:
 - Bulkhead
 - Protection Block
 - Rear Protection Block
 - Slack Basket
- Optical Component Chassis (page 37)

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