

FieldSmart® Fiber Crossover Distribution System (FxDS) Optical Component Chassis (OCC)



Application

The FieldSmart FxDS Optical Component Chassis (OCC) is used for housing optical component modules. The FxDS Optical Component Chassis is available FOR horizontally mounted and LGX vertically mounted modules. These products are needed when optical components are required. They are typically used in CATV headends and telephone company central offices.

Description

An optical component chassis is mounted in a rack and holds optical components modules. Fiber jumper management is provided from the front of the optical component module to the interbay cable management panels. Optical components are splitters or WDM's that are cassette or metal LGX housing based. Optical components can be housed in the flexible Clearview® Cassette or in one of our four sizes of LGX style modules. The LGX and FieldSmart® modules require an Optical Component Chassis to house the modules in a frame. The 1RU splitter "pizza box" does not require a separate chassis and is available in 19" or 23" (482.60 mm or 584.20 mm) mounting versions.

Features and Benefits

Integrity

- RUS listed
- Compliant to Telcordia GR-449
- Supports all industry standard singlemode and multimode connectors
- May be ordered as a "bulkhead only" application without rear protection

Protection

- Optional ruggedized Lexan front cover
- Optional rear protection module available for additional protection
- Non-removable adapter plates

Access

- Front and rear access to panel

Investment

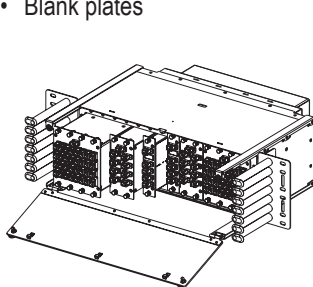
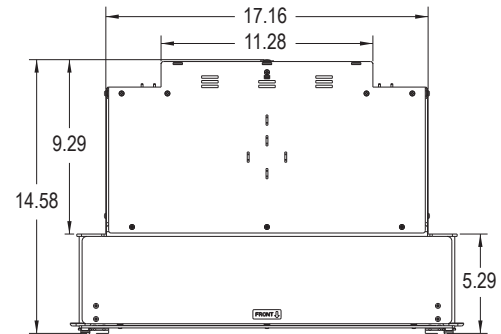
- Virtually any combination of split ratios and number of components can be achieved in one of the four FieldSmart cassette sizes
- An economical, dense and user-friendly solution for deploying splitters or WDM's in a central office design
- 1RU optical components available for smaller, limited deployments
- Clearfield supports legacy splitter deployments by offering optical components in an LGX footprint
- Horizontal mounting versions of the FieldSmart FxDS OCC are available in five sizes to accommodate any size project
- Available for both 19" or 23" (482.60 mm or 584.20 mm) mounting
- Chassis incorporates the superior fiber management system of the FieldSmart FxDS panel line
- Allows for a "grow-as-you-go" design to reserve rack space for future growth

Accessories

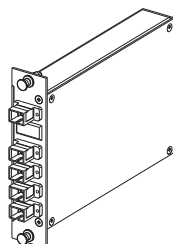
- xPAK
- LGX/MOC
- Blank plates



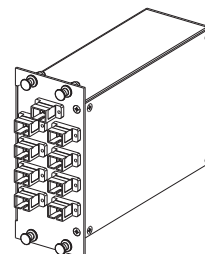
Horizontal Orientation



1 Wide LGX



2 Wide LGX



4 Wide LGX

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Technical Specifications

FieldSmart FxDS Optical Component Chassis		
Dimensions	Clearview Cassette: 1 High	0.8" H x 8.75" W x 8" D (20.32 mm x 222.25 mm x 203.20 mm)
	Clearview Cassette: 2 High	1.6" H x 8.6" W x 7.06" D (40.64 mm x 218.44 mm x 179.32 mm)
	Clearview Cassette: 3 High	2.41" H x 8.6" W x 7.06" D (61.21 mm x 218.44 mm x 179.32 mm)
	Clearview Cassette: 6 High	4.84" H x 8.6" W x 7.06" D (122.94 mm x 218.44 mm x 179.32 mm)
	LGX ½ Wide Module	0.56" H x 5.12" W x 6.72" D (14.22 mm x 130.05 mm x 170.69 mm)
	LGX 1 Wide Module	1.15" H x 5.12" W x 6.25" D (29.21 mm x 130.05 mm x 158.75 mm)
	LGX 2 Wide Module	2.27" H x 5.12" W x 6.25" D (57.66 mm x 130.05 mm x 158.75 mm)
	LGX 4 Wide Module	4.55" H x 5.12" W x 6.25" D (115.57 mm x 130.05 mm x 158.75 mm)
	1RU (19") (482.60 mm)	1.75" H x 19" W x 15.02" D (44.45 mm x 482.60 mm x 381.51 mm)
	1RU (23") (584.20 mm)	1.75" H x 23" W x 15.02" D (44.45 mm x 584.20 mm x 381.51 mm)
Ratings	Compliant to Telcordia GR-449	
Cassette Types Supported	Clearview® Blue, Clearview xPAK	
Material	Steel and aluminum with almond powder coating	

FieldSmart and LGX Footprint Chassis Capacity - Number Of Components

Component Type	Horizontal 1.75"/1RU	Horizontal 3.5"/2RU	Horizontal 6"	Horizontal 11"	LGX 6"	1RU
FSAN WDM	8	24	48	96	28	11
1 x 2	8	24	48	96	28	11
1 x 3	6	18	36	72	14	8
1 x 4	4	12	24	48	14	6
1 x 8	2	6	12	24	14	3
1 x 16	0	2	6	12	3	1
1 x 32	0	2	4	8	3	1
1 x 64	0	0	2	4	0	0

Configured Part Numbers

T - ZZ - ZZZ

1 **2** **3**

<p>1 Frame Size and Chassis Type</p> <p>K = 19" and 23" (482.60 mm and 584.20 mm) FxDS horizontal (Clearview Cassettes)</p> <p>M = 19" and 23" (482.60 mm and 584.20 mm) FxDS LGX vertical cassettes</p>	<p>2 Protection Modules</p> <p>7 = No front bad protection 8 = Front protection only 9 = Rear protection only A = Both front and rear protection</p>	<p>3 Number of Slots</p> <p>A = 2 E = 12 B = 4 F = 16 C = 6 G = 24 D = 8 H = 14</p>
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