

FieldSmart® Fiber Crossover Multi Purpose (FxMP) Optical Component Chassis



Application

The FieldSmart FxMP Optical Component Chassis (OCC) is used for housing optical component modules. The FxMP 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
- Fully certified to Telcordia GR-63, GR-1089, GR-449, GR-20 and GR-409 (NEBS)
- Supports all industry standard singlemode and multimode connectors

Protection

- VO-rated ruggedized Lexan front cover
- Non-removable adapter plates

Access

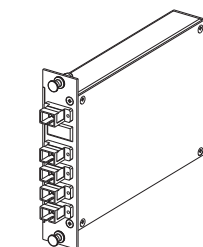
- Front and rear access to panel

Investment

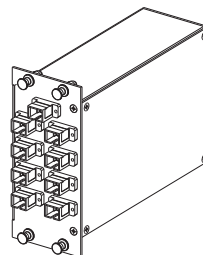
- Virtually any combination of split ratios and number of components can be achieved in one of the four FieldSmart cassette sizes
- An economical, dense and user-friendly solution for deploying splitters or WDM's in a central office design
- 1RU optical components available for smaller, limited deployments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

Accessories

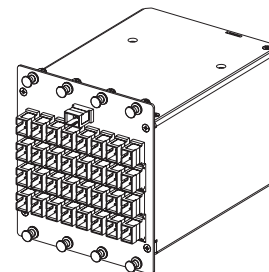
- xPAK
- LGX/MOC
- Blank plates



1 Wide LGX



2 Wide LGX



4 Wide LGX

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Technical Specifications

FieldSmart FxMP 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	Fully certified to Telcordia GR-63, GR-1089, GR-449, GR-20 and GR-409 (NEBS)	
Cassette Types Supported	Clearview® Blue, Clearview xPAK	
Material	Steel and aluminum with almond powder coating. Also available in black.	

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 - - 000 - ZOZ - ZZ

1 **2** **3** **4**

1 Select Chassis Size

J = 1.75" (44.45 mm) (1 RU) 24/48 port maximum (SC/LC)
 E = 3.50" (88.90 mm) (2 RU) 72/144 port maximum (SC/LC)
 K = 4" (101.60 mm) 96/192 port maximum (SC/LC)
 G = 6" (152.40 mm) 144/288 port maximum (SC/LC)
 H = 11" (279.40 mm) 288/576 port maximum (SC/LC)

2 Select Style

K = Horizontal
 M = LGX

3 Select Color and Rod Size

A = Almond 3.25" (82.55 mm)
 B = Almond 4.77" (121.16 mm)
 C = Black 3.25" (82.55 mm)
 D = Black 4.77" (121.16 mm)

4 Select Rear Protection

A = Slack Basket
 B = Rear Cover