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

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 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 housed in the flexible Clearview® Cassette. The 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. (See the WaveSmart® Splitters data sheet for additional ordering information)

This one rack unit "Pizza Box" module is a rack mountable (19" or 23") product with front female adapters. This solution may be suitable if a single optical component is needed in a frame and no future growth will be needed. Since the module has mounting ears, no separate chassis is needed for this solution. The optical component is housed within the rack mountable box.

Clearview Cassette
Horizontal Orientation

1RU "Pizza Box" Chassis

Features and Benefits

Integrity
- RUS listed
- Panels designed, tested and certified to Telcordia GR-63 & GR-1089 NEBS Level 3
- Fiber cable is certified to GR-20 and GR-409
- Terminations designed, tested and certified to Telcordia GR-326
- Supports all industry standard singlemode and multimode connectors

Protection
- VO-rated ruggedized Lexan front cover

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 Clearview 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
- 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 (except in 1RU)
- 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

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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)
	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 NEBS Level 3 Telcordia GR-63, GR-1089, GR-449, GR-20 and GR-409	
Cassette Types Supported	Clearview® Blue, Clearview xPAK	
Material	Steel and aluminum with almond powder coating. Also available in black.	

FieldSmart Chassis Capacity - Number of Components

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

Configured Part Numbers

Disclaimer/Note: Paper configurator shown is for reference only and should not be used to configure a saleable product configuration. All options shown on paper configurators may not be available or compatible with other options listed. Please contact your Clearfield representative for assistance in product configurations.

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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

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)