

High Density Cassette (HDC) Series

Rackmount Enclosures



1RU



2RU



4RU

Overview

HDC Series Rackmount Enclosures are high density, modular panels that accept a variety of cassette types.

Cassettes are available in a variety of configurations: MPO to LC, MPO to SC, MPO to MPO, splicing, splitter, and WDM.

Even with a high density design of 144-fibers per rack unit, the cable management and design features ensure all connections are easily accessible.

The use of cassettes and variety of functions allow the HDC to be expanded as needed and serves a variety of purposes.

Features

- Ultra high fiber density - 144 fibers per 1RU
- Compact modular cassette based design
- Easy cassette installation and maintenance
- Rear and front facing fiber management
- A locking pin on the side of the chassis provides secure access to the desired cassette
- A magnetic latching door with attached ID chart holder provides quick and convenient access to the connections and port identification information
- Lightweight aluminum chassis

Rear Cable Management



Front Cable Management



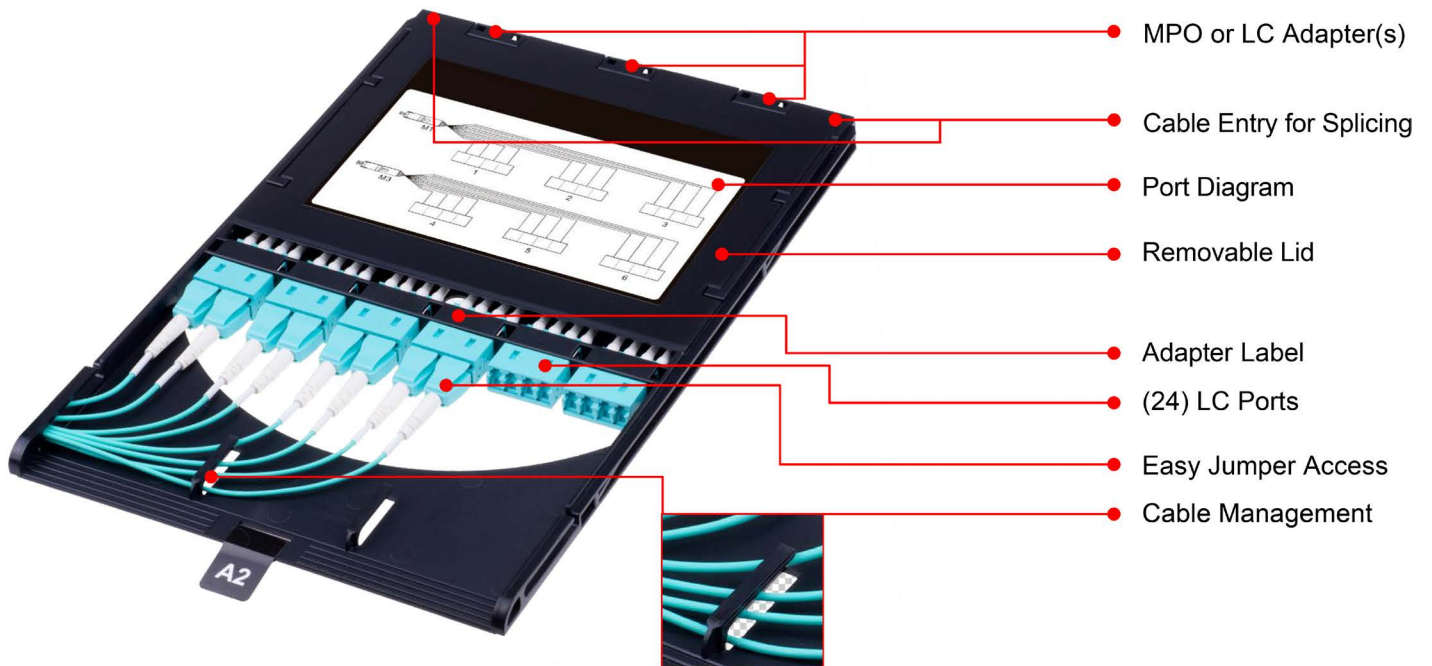
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Sliding Cassette Design



Cassette Overview



Shuttered LC Adapters Available



Adapter shutter prevents dust intrusion and also blocks light transmission

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1RU HDC



Specifications

Rack Units	1
Dimensions (Inches)	1.75 x 17 x 18.5 (HxWxD)
HDC Cassette Capacity	6
Fiber Capacity	144
Mounting	19" Frames
Material	2.0mm Thick Aluminum
Material Finish	Black Powder Coat
Weight (Empty) (lbs)	5.5

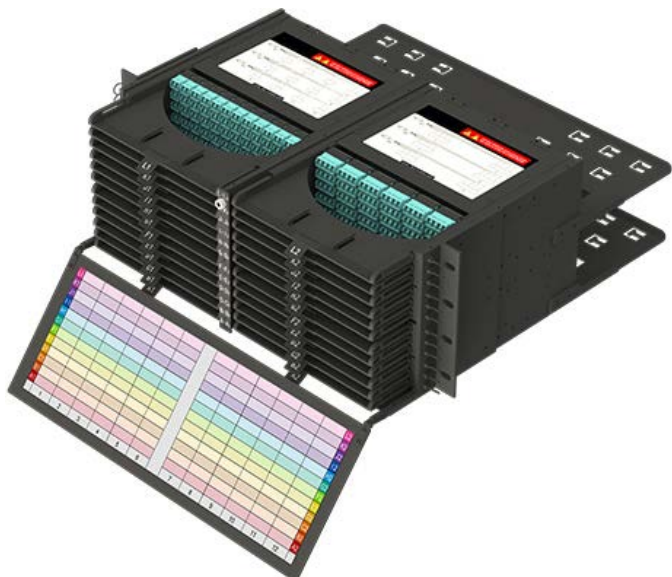
2RU HDC



Specifications

Rack Units	2
Dimensions (Inches)	3.5 x 17 x 18.5 (HxWxD)
HDC Cassette Capacity	12
Fiber Capacity	288
Mounting	19" Frames
Material	2.0mm Thick Aluminum
Material Finish	Black Powder Coat
Weight (Empty) (lbs)	9.0

4RU HDC



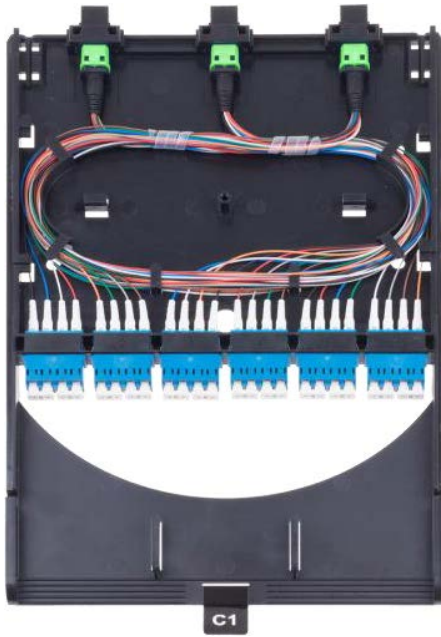
Specifications

Rack Units	4
Dimensions (Inches)	7.0 x 17 x 18.5 (HxWxD)
HDC Cassette Capacity	24
Fiber Capacity	576
Mounting	19" Frames
Material	2.0mm Thick Aluminum
Material Finish	Black Powder Coat
Weight (Empty) (lbs)	14.0

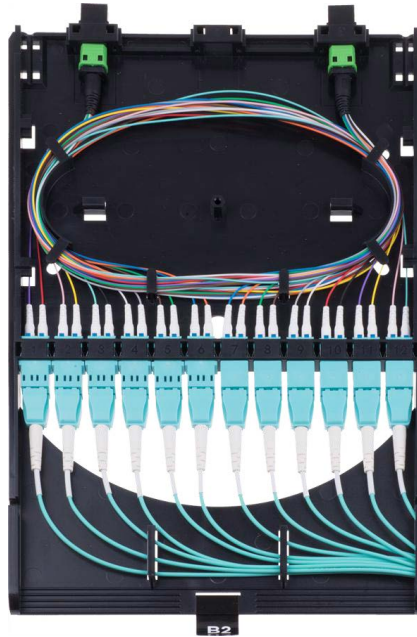
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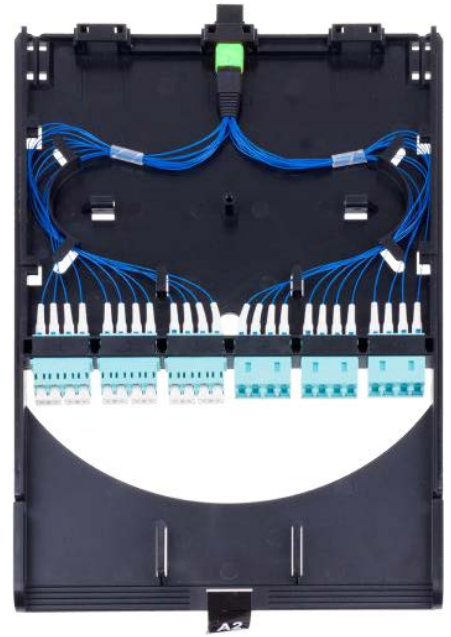
Cassette Configuration Examples



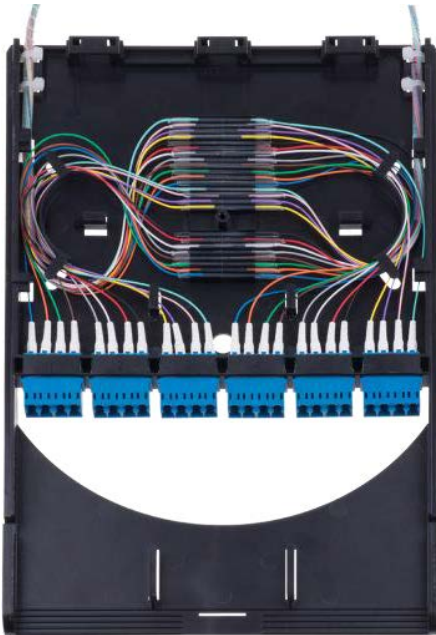
(3) 8F MPO Adapters to Quad LC Adapters



(2) 12F MPO Adapters to Duplex LC Adapters



(1) 24F MPO Adapter to Quad LC Adapters



24F Splice Cassette with Quad LC Adapters



(3) 1x8 Splitters with Duplex LC Adapters



(3) 8CH WDMs with Quad LC Adapters

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Part Number



1 Format
 1 = 1RU*
 2 = 2RU*
 4 = 4RU*
 C = Cassette Only

*Ignore all subsequent options if ordering the enclosure only

2 Cassette Quantity
 XX = XX Cassettes*

Leave Blank for Cassette Only

*1RU Supports 6 Cassettes,
 2RU Supports 12 Cassettes,
 4RU Supports 24 Cassettes

3 Fiber Type
 S = SM 9/125µm G.652.D
 B = SM 9/125µm Bend Insensitive G.657.A1
 1 = MM 62.5/125µm OM1
 2 = MM 50/125µm OM2
 3 = MM 50/125µm OM3
 4 = MM 50/125µm OM4

4 Rear Adapter Type
 SC = SC
 LC = LC
 LS = LC Shuttered
 MP = MPO
 00 = Splice Cassette or Pre-Term

4 Rear Polish Type
 U = Singlemode UPC*
 A = Singlemode APC
 M = Multimode UPC
 0 = Splice Cassette or Pre-Term

*Unavailable for MPO

5 Rear MPO Type
 Leave Blank for Non-MPO Connector
 Choose the Quantity of Adapters:
 1 = 1 Adapter
 2 = 2 Adapters
 3 = 3 Adapters

Choose 1 Option for Each Feature:
 1 = 12 or 2 = 24 Fiber Connector
 S = Standard or E = Elite Ferrule
 F = Female or M = Male Guide Pins

6 Front Adapter Type
 SC = SC
 LC = LC
 LS = LC Shuttered
 MP = MPO

6 Front Polish Type
 U = Singlemode UPC*
 A = Singlemode APC
 M = Multimode UPC

*Unavailable for MPO

7 Front MPO Type
 Leave Blank for Non-MPO Adapter
 Choose the Quantity of Adapters:
 1 = 1 Adapter
 2 = 2 Adapters
 3 = 3 Adapters

Choose 1 Option for Each Feature:
 1 = 12 or 2 = 24 Fiber Connector
 S = Standard or E = Elite Ferrule
 F = Female or M = Male Guide Pins

Choose a wiring method*:
 A = Method A (12-Fiber MPO)
 B = Method B (12-Fiber MPO)
 C = Method C (12-Fiber MPO)
 1 = Option 1 (24-Fiber MPO)
 2 = Option 2 (24-Fiber MPO)

*Leave Blank for Non-MPO Adapter in Rear

8 Splitter or WDM Modules
 Leave Blank for No Modules
 1X8 = (3) 1x8 PLC Splitters
 8CH = (3) 8CH WDMs

9 Stub Length
 Leave Blank for No Stub
 Add -PE for a Pulling Eye

XXXF = XXX Feet
 XXXM = XXX Meters