

HUBBELL **OptiChannel** High Density 144 Port
1U Fiber Enclosure



- Innovative High Density 144 LC Fiber Port Capacity in a 1U Space
- Ultra Compact Design, Scalable for any Fiber Data Center Application
- CSI Specs, Drawings, and Application Tips Available
- High Fiber Count Minimizes Packaging Redundancy. ROHS Compliant.



FEATURES

- Advanced 3-drawer ultra compact 1U design.
- Available in gray or black.
- Total 144 LC port capacity in a 1U space.
- Each drawer holds four ultra compact 12-port LC to MPO cassette modules.
- Fits 19" or 23" racks and cabinets.
- Modular, scalable design provides flexibility for network partitioning and future growth.
- Excellent space-saving solution for consolidating existing networks.
- Durable powder coated steel construction.

SPECIFICATIONS

- Height: 1.75"
- Width: 19.0"
- Depth: 16.3"
- Depth to Mounting Flanges: 3.5"
- Weight: 12.1 Lb.
- Material: Cold rolled steel

STANDARDS

- EIA-310-D Compliant (excluding hinge)
- ROHS Compliant

Hubbell introduces a new addition to the **OptiChannel® FCR-Series Fiber Enclosures** with a high density 144-port configuration in a 1U space, FCRHD1BK and FCRHD1GY. Designed specifically for fiber data centers, the FCRHD1-series enclosure is an innovative solution to maximize space utilization without compromising accessibility.

A 3-drawer design provides a flexible, scalable, and reconfigurable interconnect facility for a wide array of data center and fiber distribution applications. Each drawer accepts four compact OCLCHD-series ultra thin LC fiber cassette modules that easily snap into place. Each LC fiber cassette module has a 12-fiber rear MPO receptacle to channel traffic into a single 3.0 mm cable to minimize congestion.

A true "plug & play" design, the FCRHD1-series has the flexibility to re-configure, partition, or scale up to future 40/100 GbE fiber applications by simply adding or changing out cassette modules. The FCRHD1-series fiber enclosures, OCLCHD-series compact cassettes, and custom MPO cords provide the total data center solution.

APPLICATIONS

- Data Center fiber distribution and equipment interconnect
- SAN/LAN Interconnect facilities
- Rapid deployment high density interconnect
- Optical network partitioning and consolidation
- Retro-fit legacy networks for space consolidation





ORDERING INFORMATION

OptiChannel® HD 1U 144 Port Enclosure

Description	Catalog Number
Black	FCRHD1BK
Gray	FCRHD1GY

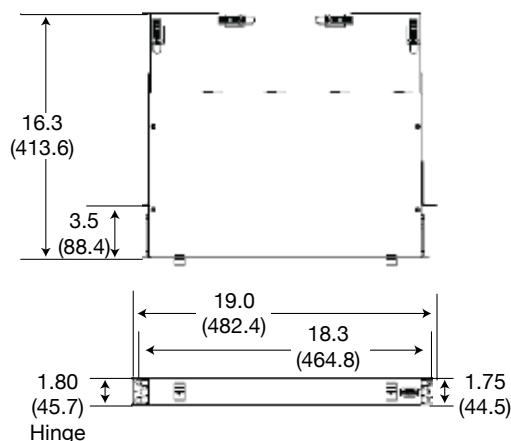


ACCESSORIES

Description	Catalog Number
12-Port LC to MPO Cassette, OM3	OCLCHD50G3
12-Port LC to MPO Cassette, OM4	OCLCHD50G4
12-Port LC to MPO Cassette, SM	OCLCHDSM
HD Single Jacket LC Patch Cords	HDPCLC-Series
Rear Cable Management Bar	CMBR
MPO Cords, Round, Custom Length	FPCMTP-Series



DIMENSIONS in inches (Assembled)



DELIVERY

Fully assembled unit in a reinforced box with (4) #12-24 rack mounting screws.

TYPICAL APPLICATION

- For long term reliability, be sure to comply with minimum cable bend radius limits in any installation.
- Arrange the installed MPO cords to allow free movement of the inner drawers without binding or kinking the cables.
- Round MPO cords are preferred to permit bending in all directions.
- Properly support all MPO cables entering the enclosure.
- Patch cords entering the front of the enclosure should have adequate slack to allow opening of the drawers
- Single jacket high density HDPCLC-Series patch cords are recommended to minimize cable congestion.
- Use the appropriate spools on the rack or cabinet to support the slack in the bundled patch cords
- Bundle the patch cords based on drawer number and cassette location for easy identification and organization.
- Contact Technical Services at Hubbell Premise Wiring for further information.

INTEGRATED SOLUTIONS



Fiber Cross-Connect Distribution Facilities

- NextFrame™ series racks and cabinets
- NextFrame™ cable management accessories
- XXL-series vertical organizers