



- 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
- Lowest Profile to Enhance Cooling Efficiency

**FEATURES**

- Advanced 3-drawer ultra compact 1U design
- Door has suitable space for a variety of labeling options
- 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: 12.1lb
- Material: cold rolled steel

**STANDARDS**

- EIA-310-D compliant

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



Hubbell introduces a new addition to the **OptiChannel FCR Series Fiber Enclosures** with a high density 144-port configuration in a 1U space. Designed specifically for data centers, the FCRHD1U 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 3.0mm cable to minimize congestion.

A true "plug-n-play" design, the FCRHD1U 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 FCRHD1U 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





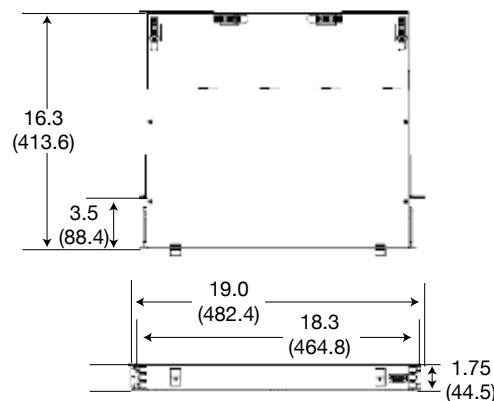
**For More Information:**  
 (866) 787-3271  
 Sales@PTSdcs.com

**OPTICHANNEL HD 1U 144 PORT ENCLOSURE**

Description	Catalog Number
Black	<b>FCRHD1UBK</b>
Gray	<b>FCRHD1UGY</b>

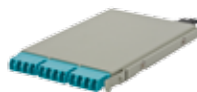


**DIMENSIONS in inches (Assembled)**



**ACCESSORIES**

Description	Catalog Number
12-port LC to MPO cassette, OM3	<b>OCLCHD50G3</b>
12-port LC to MPO cassette, OM4	<b>OCLCHD50G4</b>
12-port LC to MPO cassette, SM	<b>OCLCHDSM</b>
HD single jacket LC patch cords	<b>HDPCLC Series</b>
MPO cords, round, custom length	<b>FPCPMT Series</b>



**DELIVERY**

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

**INSTALLATION RECOMMENDATIONS**

- 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

**For More Information:**  
 (866) 787-3271  
 Sales@PTSdcs.com