



- Ultra Compact 12-Port Design, Specifically for Data Centers
- Plug-n-Play MPO Output Receptacle for Rapid Deployment
- CSI Specs, Drawings, and Application Tips Available
- Lowest Profile to Enhance Cooling Efficiency

FEATURES

- High density 12-fiber LC duplex ports to MPO output receptacle
- Compatible with Hubbell's FCRHD1U Series enclosures
- Factory tested 100% for trouble-free deployment
- Ultra compact 0.5" height, integral to a 1U enclosure providing a total 144 LC port capacity
- Easy snap-in modular fit into Hubbell's high density FCRHD1U Series enclosures
- Ultra lightweight aluminum construction
- True "plug-n-play" design for quick, easy deployment and start-up
- Direct-replacement, modular and scalable to future 40/100 GbE optical network applications

SPECIFICATIONS

- Material: 5052 aluminum
- Dimensions: 3.5" W x 5.2" L x 0.5" H
- Ports: (3) LC quad adapters
- Alignment sleeve material: zirconia ceramic
- MM total insertion loss: 1.50 dB max.
- MM return loss: 20 dB min.
- SM total insertion loss: 1.10 dB max.
- Polarity: Type "A" straight through, TIA-568-C.3

STANDARDS/LISTINGS/VERIFICATIONS

- TIA-604 Intermateability Standard
- TIA-568-C.3
- IEEE 802.3ae, 10GbE
- IEEE 802.3ba, 40/100 GbE

FIBERHUBB™ Ultra Compact Fiber LC to MPO Cassette Modules



Hubbell's **FIBERHUBB OCLCHD Series Ultra Compact Fiber Cassette Modules**, are compatible for use in the FCRHD1U Series 1U enclosures, providing a complete system solution for advanced data center applications. Providing maximum MPO to LC interconnect density in a wafer-thin module, the ultra compact OCLCHD Series cassettes offer a flexible, quick-deployment solution to configure high speed optical networks in the most complex data center infrastructures. Minimizing rack space to a compact 1U enclosure, with capacity up to 144 LC connector ports enables the designer to allocate maximum rack space for critical network equipment.

Achieving maximum port density without compromising accessibility is a key feature of the innovative compact design. Another benefit of this ultra-compact solution is creating more space for air flow through the rack or cabinet. The user-friendly snap-in modular design, integral with a 3-drawer compact 1U enclosure, enhances the ability to manage, allocate, and partition optical networks. The modular design also promotes efficient moves, adds and changes, along with future-proof evolution to 40/100 GbE network applications. MPO cabling from each cassette module also minimizes congestion for optimum air flow and maintainability.

APPLICATIONS

- Data center equipment connections
- Data center cross-connect distribution connections
- High density backbone and horizontal cross-connections
- 10 GbE multimode and singlemode optical networks
- High speed SAN/Wan interconnections
- LAN consolidation and upgrades



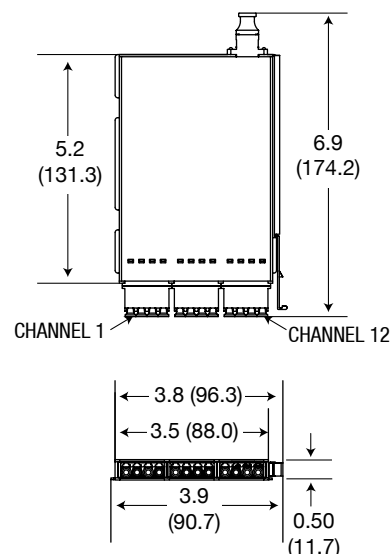
FIBERHUBB ULTRA COMPACT FIBER LC TO MPO CASSETTE MODULES

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

Note: Suitable for use in Hubbell's FCRHD1U Series enclosures only.



DIMENSIONS in inches (Assembled)



ACCESSORIES

Description	Catalog Number
HD 1U FCR enclosure, black	FCRHD1UBK
HD 1U FCR enclosure, gray	FCRHD1UGY
HD single jacket LC patch cords	HDPCLC Series
MPO cords, round, custom length	FPCPMTP Series



DELIVERY

Delivery: Individually packaged in clamshell plastic, supplied with insertion loss test data and all dust caps installed.

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 cassettes should have adequate slack to allow opening of the drawers.
- Single jacket high density 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

PRODUCT COMPATIBILITY AND APPLICATIONS



Fiber Cross-Connect Distribution Facilities

- FCRHD1U Series 1U rack mount fiber enclosures
- Hubbell FIBERHUBB MTP, LC patch cords and BIDnet fiber trunk assemblies
- **NEXTFRAME®** Series racks and cabinets