Opt-X® UHDX Fiber Optic Rack-Mount Enclosures, 1RU, 2RU, & 4RU

APPLICATION

UHDX Fiber Rack-Mount Enclosures provide an inter-connect or cross-connect between backbone horizontal cable and active equipment while using minimum rack space in a frame or cabinet. Enclosures allow for easy installation of pre-terminated solutions, and are ideal for high-density fiber applications in data centers, equipment rooms, and central offices.

SPECIFICATION

Enclosures with sliding trays shall be available in 1RU, 2RU, and 4RU versions that accommodate termination of up to 144, 288, or 576 fibers respectively (using LC connectors). Individual sliding trays shall have a forward stop, be removable for ease of installation, and minimize the impact on surrounding fiber. Enclosures shall accept LC, SC, and MTP® modular adapter plates and MTP cassettes. Fiber cable routing and protection shall include patch cord cable managers at entry/exit points, multiple tie-down points for rear cable management, and a cable strain-relief kit for incoming backbone fiber. The enclosure design shall feature a front hinged door to provide protection and concealment, and allow unobstructed access to the patching area. 1RU and 2RU enclosures shall feature a removable rear door, and 4RU enclosures shall feature a rear hinged door. Enclosures shall be designed for a one-person install and have visible port location identifiers for poorly lit application environments. Enclosures shall be constructed of 18-gauge steel, 5052 aluminum, and polycarbonate plastic for rigidity and robustness. Enclosures shall be pre-configured or make to order with respective adapter plates and MTP cassettes, for easy ordering with one part number.

FEATURES

- Up to 144 fibers (using LC) in a 1RU enclosure, 288 fibers in a 2RU enclosure, and 576 fibers in a 4RU enclosure using HDX adapter plates or MTP cassettes
- Stylish, innovative design for advanced networks and active equipment
- Individual sliding trays remove completely to facilitate field terminations
- Sliding tray glides forward, providing accessibility to front and rear bulkheads after installation
- Side and rear entries for backbone trunk cabling
- Removable rear cover/door for open access in 1RU and 2RU enclosures
- One-person install of all enclosure sizes
- Rear brush guards (sold separately) minimize dust build up
- Visible port location identifiers

DESIGN CONSIDERATIONS

- Enclosures are sold unloaded or can be pre-configured at www.leviton.com/configurator
- Designed for pre-terminated solutions
- Rear fiber guards prevent pinching or catching of fibers when sliding trays are engaged
- Does not accept splice trays
- Enclosures protrude 4.5 inches from mounting ears to align with the Leviton Versi-Duct® Cable Management System
- Accessory kit consists of cable ties, mounting ear screws, and port ID card
- Color scheme identifies parts that are fixed, moveable, and used for cable management
- 19-inch or 23-inch rack-mount options
- Uses universal Opt-X Cable Clamp Kit

STANDARDS COMPLIANCE

- ANSI/TIA-568-C.3

PHYSICAL SPECIFICATIONS

Dimensions:	See page two
Materials:	Durable polycarbonate plastic, 5052-H32 aluminum, 18-gauge steel, powder-coated black

COUNTRY OF ORIGIN

Mexico

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

Leviton Network Solutions
2222 - 222nd St. SE
Bothell, WA 98021-4416

tel 1-800-824-3005
tel +1-425-486-2222
appeng@leviton.com
www.leviton.com

Asia / Pacific
T +1.631.812.6228
E infoasean@leviton.com

Canada
T +1.514.954.1840
E pcservice@leviton.com

Caribbean
T +1.954.593.1896
E infocaribbean@leviton.com

China
T +852.2774.9876
E infochina@leviton.com

Colombia
T +57.1.743.6045
E infocolombia@leviton.com

Europe
T +33.6.8869.1380
E infoeurope@leviton.com

India / SAARC
T +971.4.886.4722
E infoindia@leviton.com

Mexico
T +52.55.5082.1040
E lsamarketing@leviton.com

Middle East & Africa
T +971.4.886.4722
E lmeinfo@leviton.com

South Korea
T +82.2.3273.9963
E infokorea@leviton.com

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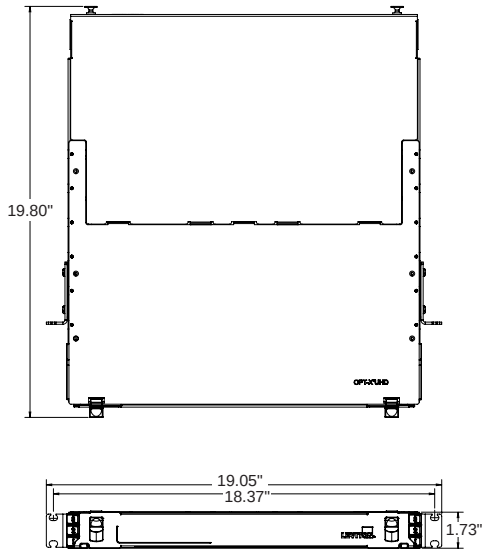
ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

5R1UD-S12



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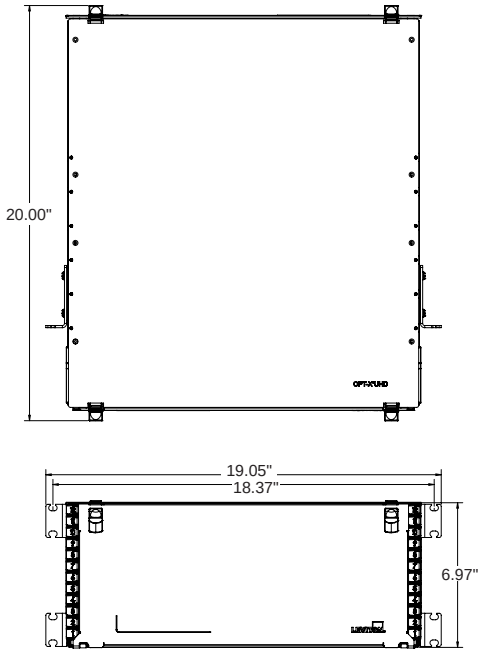

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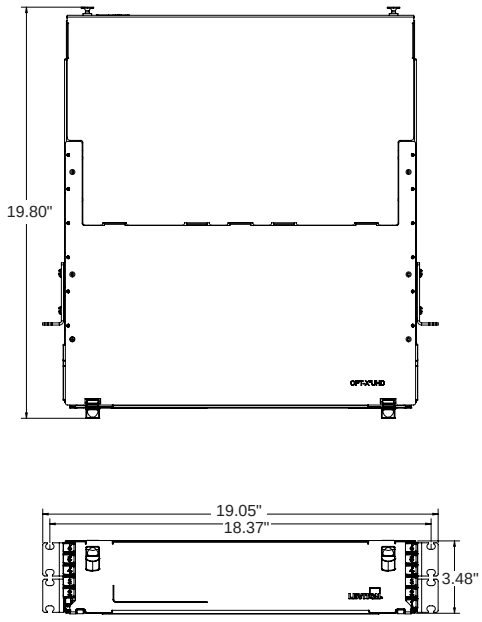

Leviton Network Solutions
2222 - 222nd St. SE
Bothell, WA 98021-4416

tel 1-800-824-3005
tel +1-425-486-2222
appeng@leviton.com
www.leviton.com

Asia / Pacific
T +1.631.812.6228
E infoasean@leviton.com

Canada
T +1.514.954.1840
E pcservice@leviton.com

Caribbean
T +1.954.593.1896
E infocaribbean@leviton.com

China
T +852.2774.9876
E infochina@leviton.com

Colombia
T +57.1.743.6045
E infocolombia@leviton.com

Europe
T +33.6.8869.1380
E infoeurope@leviton.com

India / SAARC
T +971.4.886.4722
E infoindia@leviton.com

Mexico
T +52.55.5082.1040
E lsamarketing@leviton.com

Middle East & Africa
T +971.4.886.4722
E lmeinfo@leviton.com

South Korea
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E infokorea@leviton.com

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OPT-X® UHDX ENCLOSURE OPTIONS

ENCLOSURE STYLE	ADAPTER PLATE OR MTP CASSETTE SELECTION	NUMBER OF ADAPTER PLATES	FIBER TYPE	ADAPTER TYPE OPTIONS	CABLE CLAMP KIT	MOUNTING EAR POSITION	POLARITY
• 1RU • 2RU • 4RU	• SC adapter plate (6 fibers) • LC adapter plate (12 fibers) • MTP Adapter plate (6 ports) • MTP-LC Cassette (12 fibers)	• 1-48	• OM2 • OM3 • OM4 • OM4+ • OS2	• LC • LC (Violet) • SC • SC/APC • MTP Key Up/Key Up • MTP Key Up/Key Down	• Yes • No	• 19 • 23	• MTP Method A • MTP Method B (Core) • MTP Method B (Edge) • MTP Method C

Call 800.722.2082 or visit leviton.com/configurator to configure your enclosure.
NOTE: For unloaded basic part numbers, see table below.

Make to order! leviton.com/configurator

DENSITY

Rack Unit	Fibers (using LC)	Fibers (using 24-fiber MTP®)	HDX Adapter Plate/ MTP Cassette	Dimensions	Weight (unloaded)
1RU	Up to 144 fibers	Up to 1,728 fibers	Up to 12	1.73" H x 19" W x 19" D	16 lbs
2RU	Up to 288 fibers	Up to 3,456 fibers	Up to 24	3.45" H x 19" W x 19" D	24 lbs
4RU	Up to 576 fibers	Up to 6,912 fibers	Up to 48	6.9" H x 19" W x 19" D	30 lbs

OPT-X® UHDX RACK-MOUNT ENCLOSURES

Description	Part No.
1RU, empty, accepts up to 12 HDX cassettes or plates	5R1UD-S12
2RU, empty, accepts up to 24 HDX cassettes or plates	5R2UD-S24
4RU, empty, accepts up to 48 HDX cassettes or plates	5R4UD-S48

ACCESSORIES

Description	Part No.
Universal Opt-X Clamp Kit, Single Cable Grommet (for enclosure mounting)	5RCMP-KIT
Universal Opt-X Clamp Kit, Multiple Cable Grommet (for enclosure mounting)	5RCMP-KT2
Universal Opt-X Clamp Kit, Single and Multiple Cable Grommet (for rack mounting)	5RCMR-KIT
Brush Guard, 1RU (bag of 2)	5RBSH-1UN
Brush Guard, 2RU (bag of 2)	5RBSH-2UN
23" Rack-Mount Ears (bag of 2)	5REAR-023

5R1UD-S12, 5R2UD-S24, 5R4UD-S48

ISO 9001 REGISTERED Quality Manufacturer

B16 6029

Leviton Network Solutions
2222 - 222nd St. SE
Bothell, WA 98021-4416

tel 1-800-824-3005
tel +1-425-486-2222
appeng@leviton.com
www.leviton.com

Asia / Pacific
T +1.631.812.6228
E infoasean@leviton.com

Canada
T +1.514.954.1840
E pcservice@leviton.com

Caribbean
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E infocaribbean@leviton.com

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E infochina@leviton.com

Colombia
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E infocolombia@leviton.com

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E lmeinfo@leviton.com

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E infokorea@leviton.com

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