

## Opt-X 2000i SDX Fiber Rack-Mount Enclosures

### APPLICATION

The Opt-X 2000i SDX Rack-Mount Enclosure allows for inter-connect or cross-connect between backbone cable and active equipment while utilizing minimum rack space in a frame or cabinet setting. The enclosure feature set and design allows for installer's ease in field termination of connectors, splicing, or pre-terminated Plug-n-Play solution. It is primarily used in high-density fiber applications such as data centers, equipment rooms, central offices, etc.



### SPECIFICATION

Enclosure with sliding tray shall be available in 1RU, 2RU, and 4RU versions that accommodate termination and splicing of fiber. Adapter bulkhead shall accept a variety of modular adapter plates and Plug-n-Play MTP modules/cassettes. Fiber cable management routing and protection shall include patch cord bend radius bracket at entry/exit points, adjustable and stackable cable management rings for tight-buffer fiber, cable strain-relief kit for incoming backbone fiber, and adjustable saddles for patch cords. Enclosure design shall feature removable, transparent polycarbonate doors and covers to ease fiber installation. Enclosure shall be constructed of 16-gauge steel with a powder-coat black finish and be mountable in either a 19-inch or 23-inch rack or cabinet frame. Locking door feature shall be available as an option. Country of origin shall be the United States of America.

### FEATURES

- Stylish and innovative design for today's most advanced networks and settings
- Sliding tray removes completely from enclosure to facilitate field terminations and splicing
- Sliding tray glides forward and backward, providing accessibility to front and rear bulkhead after installation
- 17-inch depth for high-density fiber termination and/or splicing
- Removable, transparent hinged doors and slide-away covers allow easy access during install and visibility of interior after install
- Patch cord bend-radius guides minimize macro bending
- Stackable and adjustable fiber rings simplify cable routing and organization
- Saddles pivot for improved patch cord routing and organization
- Removable rubber grommets protect cable and minimize dust build-up
- Multiple mounting bracket positions for 19-inch or 23-inch rack and cabinet installation (23-inch 1RU mounting bracket sold separately)
- Constructed of durable polycarbonate plastic and 16-gauge steel, powder-coated black
- Retrofit Sliding Tray, sold separately, allows for higher density applications using HDX MTP Cassettes (1RU and 2RU)
- Convert to HDX cassettes or adapter plates using conversion bracket (sold separately)

### DESIGN CONSIDERATIONS

- Accepts SDX Adapter Plates and Cassettes
- Enclosures are sold empty (unloaded)
- Buy components separately, or pre-configure enclosure to your requirements (see second page) or visit [www.leviton.com/configurator](http://www.leviton.com/configurator)
- Arrange enclosures to allow future growth
- 19-inch or 23-inch rack-mount option
- Enclosures protrude 4.5 inches from mounting ears to align with the Leviton Versi-Duct® Cable Management System
- Specify adapter plate and MTP module selection and capacity (see page two)
- Specify splice tray selection and capacity (see page two)
- Enclosures are capable of storing up to three meters of 900 micron tight-buffered fiber per adapter
- Door-lock option available on front, rear, or both doors
- Enclosure includes an accessory kit consisting of cable ties, mounting screws, ID label, and spiral wrap (for cable protection)

### STANDARDS COMPLIANCE

Meets or exceeds all ANSI/TIA-568-C.1 requirements.

### PHYSICAL SPECIFICATIONS

**Capacities and Dimensions:** See page two

**Materials:** Constructed of 16-gauge steel, powder-coated black. Plastic parts made using self-extinguishing ABS and polycarbonate materials rated UL 94V-2. Grommet material made of Santoprene®, a thermoplastic rubber elastomer.

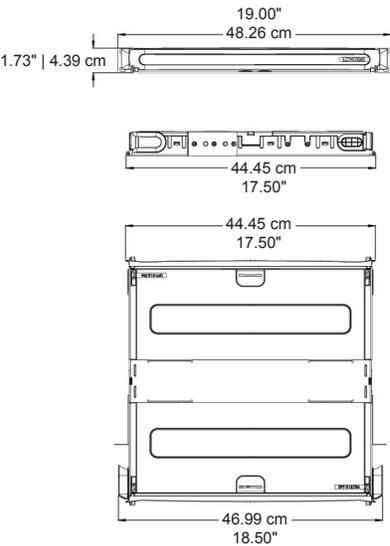
**WARRANTY INFORMATION**

For a copy of Leviton product warranties, visit [www.leviton.com/warranty](http://www.leviton.com/warranty).

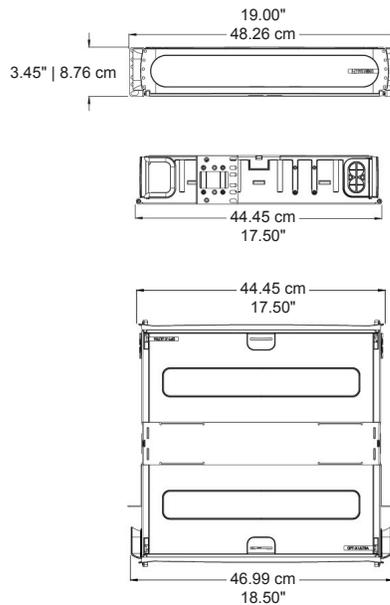
**ELECTRONIC FILES**

For CAD files, Typical specs, or Dimensional Line Art. (.DXF, .DWG, or .TXT), visit [www.leviton.com](http://www.leviton.com).

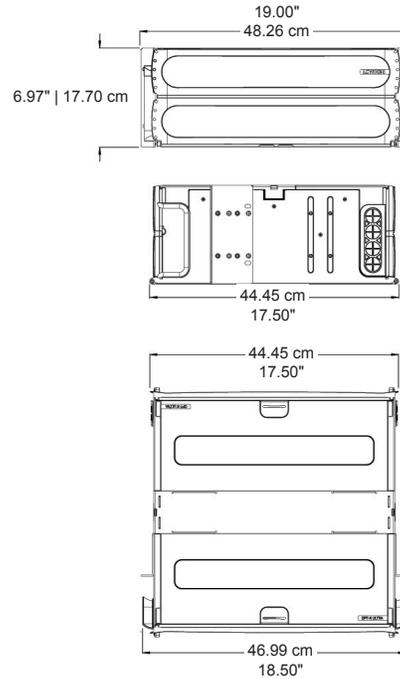
**5R1UH-S03 (1RU)**



**5R2UH-S06 (2RU)**



**5R4UH-S12 (4RU)**



**5R1UH-S03, 5R2UH-S06, 5R4UH-S12**

DENSITY			
Rack Unit(s)	Fibers (LC)	SDX Adapter Plates / MTP® Cassettes	Splice Tray
1RU	72	Up to 3	Up to 3 trays
2RU	144	Up to 6	Up to 6 trays
4RU	288	Up to 12	Up to 12 trays

DENSITY USING OPT-X® HDX RETRO-FIT SLIDING TRAY		
Rack Unit(s)	Fibers (LC)	HDX Adapter Plates / MTP Cassettes
1RU	96	Up to 8
2RU	192	Up to 16

**Make-to-Order! Opt-X® 2000i SDX Rack-Mount Enclosure Options**

ENCLOSURE STYLE	ADAPTER PLATES OR MTP CASSETTE SELECTION	NUMBER OF ADAPTER PLATES	FIBER TYPE	ADAPTER TYPE & PIGTAIL SELECTION	SPLICE TRAY STYLE	NO. OF SPLICE TRAYS	CABLE CLAMP KIT
<ul style="list-style-type: none"> <li>• 1U</li> <li>• 2U</li> <li>• 4U</li> </ul>	<ul style="list-style-type: none"> <li>• 6 fibers (SC, ST)</li> <li>• 8 fibers (ST)</li> <li>• 12 fibers (LC, SC)</li> <li>• 24 fibers (LC only)</li> </ul>	<ul style="list-style-type: none"> <li>• 1-12</li> </ul>	<ul style="list-style-type: none"> <li>• OM1</li> <li>• OM2</li> <li>• OM3</li> <li>• OM4</li> <li>• OM4+</li> <li>• OS2</li> </ul>	<ul style="list-style-type: none"> <li>• LC</li> <li>• LC + pigtail</li> <li>• SC</li> <li>• SC/APC</li> <li>• SC + pigtail</li> <li>• SC/APC + pigtail</li> <li>• ST</li> <li>• ST + pigtail</li> </ul>	<ul style="list-style-type: none"> <li>• Heat shrink, plastic holders, up to 12 fibers (molded tray)</li> <li>• Heat shrink, plastic holders, up to 24 fibers (molded tray)</li> <li>• None</li> </ul>	<ul style="list-style-type: none"> <li>• 1-12</li> <li>• None</li> </ul>	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>

For assistance customizing your enclosures, please visit [leviton.com/configurator](http://leviton.com/configurator) or call Tech Support at 800.824.3005.

**NOTE:** Unloaded basic part numbers are listed below.

<b>OPT-X 2000i SDX RACK-MOUNT ENCLOSURES</b>	
Description	Part No.
1RU Enclosure, empty, with sliding tray	5R1UH-S03
2RU Enclosure, empty, with sliding tray	5R2UH-S06
4RU Enclosure, empty, with sliding tray	5R4UH-S12

Accessory kit consists of cable ties, mounting screws, ID label, and spiral wrap (for cable protection).

<b>ACCESSORIES</b>	
Description	Part No.
Retrofit Sliding Tray, 1U (for use with HDX Cassettes)	5R1UR-TRY
Retrofit Sliding Tray, 2U (for use with HDX Cassettes)	5R2UR-TRY
HDX to SDX Adapter Bracket	HDXAD-ACC
Universal 0RU Patch Cord Managers	5RCMT-VFG
Universal Cable Clamp Kit, single cable grommet (for enclosure mounting)	5RCMP-KIT
Universal Cable Clamp Kit, multiple cable grommet (for enclosure mounting)	5RCMP-KT2
Universal Cable Clamp Kit (for rack post mounting)	5RCMR-KIT
Fiber Cable Management ¼ Round Ring Kit (bag of four)*	5R100-14R*
Grounding Kit	DPGRD-KIT
1RU Enclosure 23" Rack-Mounting Bracket	5R1RU-023
1RU Replacement Door	5D000-1UN
2RU Replacement Door	5D000-2UN
4RU Replacement Door	5D000-4UN
1RU Replacement Door w/lock	5D000-1UL
2RU Replacement Door w/lock	5D000-2UL
4RU Replacement Door w/lock	5D000-4UL
Replacement Covers	5C000-RPL

\*Not for use in Retrofit Sliding Trays



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