

PRODUCT SPECIFICATIONS

e2XHD Unity Ultra Low Loss Base12/24 MTP Cassettes

e2XHD Unity Ultra Low Loss Base12/24 MTP® Cassettes

APPLICATION

e2XHD Unity Base12/24 Cassettes come with 12- or 24-fiber MTP connectors on the back with ultra-low-loss MTP connectivity to support maximum distance and multiple connection points while staying within IEEE Ethernet application limits. The cassette has front LC or MTP connectors to support 10 Gb/s through 400 Gb/s switch port connectivity. The e2XHD patching platform, an easy-to-connect, high-density solution, provides simple termination and improved cable routing for both fiber and copper applications. Cassettes quickly snap-in and pull out of the e2XHD high-density panels, making installation easier than ever. Fiber cassettes are custom configurable and arrive pre-terminated.

e2XHD MTP-LC
24-fiber Core Cassette



e2XHD MTP-MTP
Edge Cassette
(3x8-fiber to
1x24-fiber)

SPECIFICATION

All pre-terminated components, including trunks, cassettes, harnesses, brackets, patch panels, and enclosures, shall be provided and warranted by a single manufacturer. Multimode cassettes shall meet an optical insertion loss not to exceed 0.35 dB for Base12 MTP-to-LC cassettes, 0.50 dB for Base24 MTP-to-LC cassettes, 0.55 dB for Base12 MTP-to-MTP cassettes, or 0.75 dB for Base24 MTP-to-MTP cassettes. Single-mode cassettes shall meet an optical insertion loss not to exceed 0.50 dB for Base12 and Base24 MTP-to-LC cassettes or 0.75 dB for Base24 MTP-to-MTP cassettes. MTP connectors shall mate to key up/key down adapter on rear of cassette. LC adapters shall provide an option for IP5x-rated internal shutters, compliant with IEC 60529, that open and close automatically with the insertion and removal of an LC Connector. Fiber cassettes shall snap into rear of panel and shall require no tools to remove. Cassettes shall be available in method A, B, C, and Universal Polarity, and shall allow for multiple Cassettes to be connected in a channel. Cassettes shall be pre-terminated and pre-tested with test documentation provided upon request.

COUNTRY OF ORIGIN

Please contact customer service

FEATURES

- Ultra-Low-Loss Base12 and Base24 MTP Connectors for maximum network design flexibility
- OM3, OM4, or OS2 available for cassettes
- Patented internal shutters on LC adapters eliminate the need for dust plugs to reduce waste, accelerate deployment, and ensure safer installation
- Alignment tabs on panel ensure upright insertion of cassettes
- To remove cassettes from panel, simply pull on back handle
- Custom configurable through Leviton's Make-to-Order program
- MTP adapters swivel to three positions for easier cable routing:



DESIGN CONSIDERATIONS

- Panels hold up to 48 duplex fiber channels per rack unit
- Panel accepts up to eight copper and/or fiber cassettes (12-fiber LC-MTP, 24-fiber MTP-MTP), or four 24-fiber LC-MTP
- Fiber cassettes available in 12- or 24-fiber options and work with pre-terminated 12- or 24-fiber MTP trunks
- Leviton Base24 MTP connectors have a 20 N spring to provide max 0.35 dB insertion loss. If mated to another vendor's 24-fiber MPO connector with a 10 N spring, performance may result in >0.35 dB insertion loss
- 24-fiber and legacy 12-fiber MTP applications: Method B trunk links require one Core (black front face) and one Edge (white front face) MTP-LC cassette
- 12-fiber application: Universal Polarity MTP-to-LC Cassettes require method B trunks with one cassette on each end

STANDARDS & REGULATIONS

- IEEE 802.3ae, IEEE 802.3ba, IEEE 802.3bm
- ANSI/TIA-568.3-D for performance requirements
- ANSI/TIA-942 data center design guidelines
- ANSI/TIA-604-5 (MTP) and -10B (LC) for connector intermateability
- IEC 60529 IP5x dust protection (LC)

MECHANICAL SPECIFICATIONS

Dimensions: See page two

Materials: Cold-rolled steel and high-performance plastics

Temperature (Installation): -10 °C to +60 °C

Temperature (Operating): -10 °C to +60 °C

PRODUCT SPECIFICATIONS

e2XHD Unity Ultra Low Loss Base12/24 MTP® Cassettes

PERFORMANCE SPECIFICATION

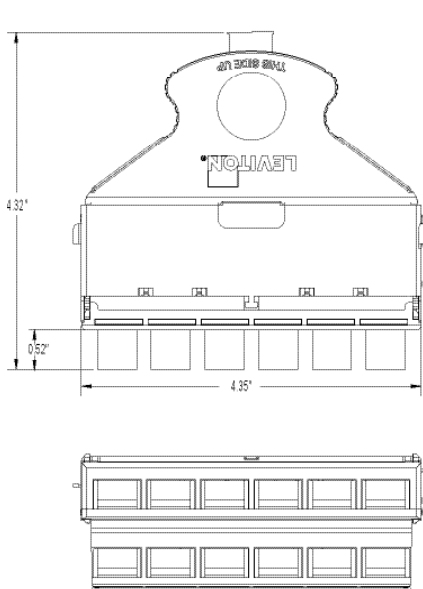
FIBER CASSETTE INSERTION LOSS (DB)

	Multimode		Single-mode	
	Base12 Max IL	Base24 Max IL	Base12 Max IL	Base24 Max IL
MTP-LC	0.35	0.50	0.50	0.50
MTP-MTP	0.55	0.75	—	0.75

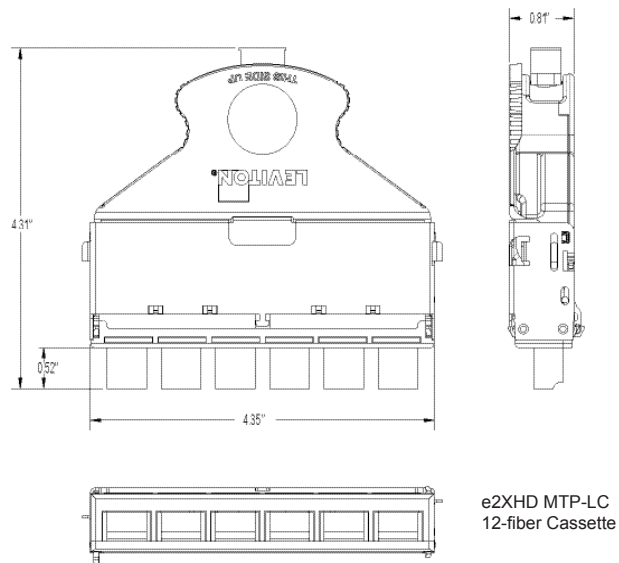
WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

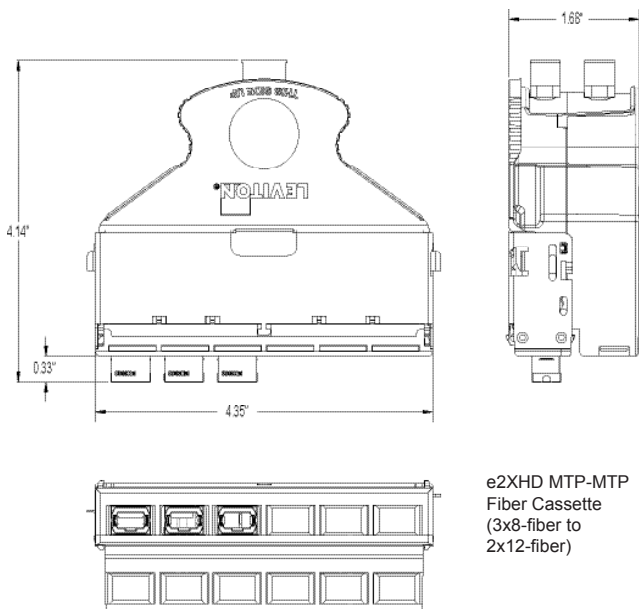
e2XHD Unity Ultra Low Loss Base 12/24 MTP Cassettes



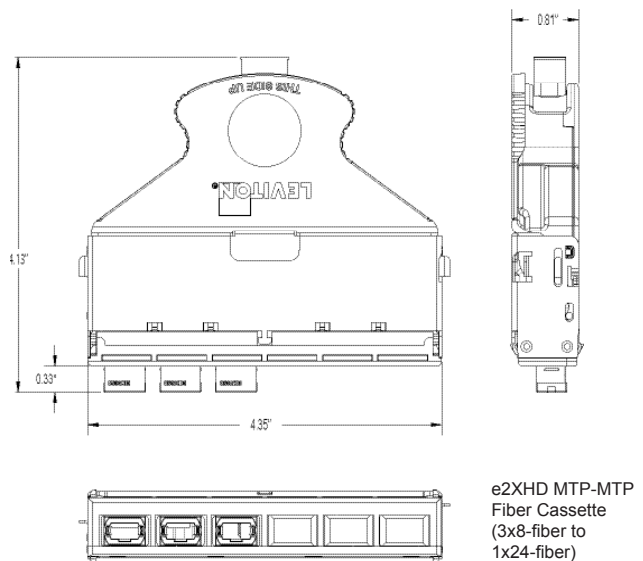
e2XHD MTP®-LC
24-Fiber Cassette



e2XHD MTP-LC
12-fiber Cassette



e2XHD MTP-MTP
Fiber Cassette
(3x8-fiber to
2x12-fiber)



e2XHD MTP-MTP
Fiber Cassette
(3x8-fiber to
1x24-fiber)

PRODUCT SPECIFICATIONS
e2XHD Unity Ultra Low Loss Base12/24 MTP® Cassettes



e2XHD Unity Ultra Low Loss Base12/24 MTP Cassettes

BASE12 CASSETTES — POPULAR CONFIGURATIONS

Description	Part No.
OM3, 12-fiber, MTP (male) to LC shuttered (aqua), Universal Polarity	ULE2XHD-E012CSKQDU
OM4, 12-fiber, MTP (male) to LC shuttered (aqua), Universal Polarity	ULE2XHD-F012CSKQDU
OM4, 12-fiber, MTP (male) to LC shuttered (heather violet) Universal Polarity	ULE2XHD-F012CSKVDU*
OS2, 12-fiber MTP (male) to LC shuttered (blue), Universal Polarity	ULE2XHD-A012CSKLDU

*Please contact Customer Service for quoting this specific configuration

BASE24 CASSETTES — POPULAR CONFIGURATIONS

Description	Part No.
OM3, 24-fiber, 1x24F MTP (male) to LC shuttered (aqua), Universal Polarity	ULE2XHD-E024CSHQES4
OM4, 24-fiber, 1x24F MTP (male) to LC shuttered (aqua), Universal Polarity	ULE2XHD-F024CSHQES4
OM4, 24-fiber, 1x24F MTP (male) to LC shuttered (heather violet), Universal Polarity	ULE2XHD-F024CSHVES4*
OS2, 24-fiber, 1x24F MTP (male) to LC shuttered (blue), Universal Polarity	ULE2XHD-A024CSHLES4

*Please contact Customer Service for quoting this specific configuration

Make-to-order! E2XHD UNITY ULTRA LOW LOSS BASE12/24 MTP CASSETTE OPTIONS

Fiber Type	Fiber Count	Connector Type (Front)	MTP Fiber Count (Rear)	Polarity
<ul style="list-style-type: none"> OM3 (E) OM4 (F) OS2 (A) 	<ul style="list-style-type: none"> 12 24 	<ul style="list-style-type: none"> LC (C) LC shuttered (CS) 8F MTP (female) (M) 8F MTP (male) (N) 	<ul style="list-style-type: none"> Base12 MTP (male) (K) Base24 MTP (male) (H) 	<ul style="list-style-type: none"> Method A (A) Method B, Core (BC) Method B, Edge (BE) Method C (C) Universal - Base 12 (U) Universal - Base 24 (S4)



For assistance customizing your OPT-X™ Unity trunks, please visit leviton.com/configurator or call Tech Support at 800-824-3005.

For further support information, visit leviton.com/ns/support

Page 3 of 3

USA
 Network Solutions Headquarters
 +1 (800) 722 2082
infoUSA@leviton.com
 Leviton Berk-Tek Cable: +1 (800) 237 5835
berktek.info@leviton.com

Asia Pacific
 +852 3620 2602
infoAPAC@leviton.com

Canada
 +1 (800) 461 2002
infoCanada@leviton.com

Europe
 +44 (0) 1592 772124
infoEurope@leviton.com

Latin America
 MX: +52 (55) 2128 6286
 LATAM: +52 (55) 2333 5963
infoLATAM@leviton.com

Middle East & Africa
 +971 (4) 247 9800
infoMEA@leviton.com

NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT LEVITON.COM/NS TO LEARN MORE.