

## PRODUCT SPECIFICATIONS

### e2XHD Unity Ultra Low Loss Base8/24 Breakout MTP Cassettes

## e2XHD Unity Ultra Low Loss Base8/24 Breakout Fiber MTP® Cassettes

### APPLICATION

e2XHD Unity Base8/24 Breakout Cassettes are designed for connection to electronics with LC-style ports and aggregating SFP ports to a QSFP+ (40G), QSFP28 (100G), or CXP (120G) port. The cassettes manage polarity to maintain, transmit, and receive connections between parallel optics and SFP connectivity. The cassettes easily snap in and out of rack-mount panels, facilitating rapid installation, adds, and changes in the network. Breakout cassettes are ideal for applications using 40G-10G, 120G-10G, and 120G-40G.

120G-40G Cassette



40G-10G Cassette



120G-10G Cassette

### SPECIFICATION

All pre-terminated components, including trunks, cassettes, harnesses, brackets, patch panels, and enclosures, will be provided and warranted by a single manufacturer. Multimode cassettes shall meet an optical insertion loss not to exceed 0.35 dB for Base8 MTP-to-LC cassettes, 0.50 dB for Base24 MTP-to-LC 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 Base8 and Base24 MTP-to-LC cassettes, or 0.75 dB for Base24 MTP-to-MTP cassette. LC adapters will use ceramic ferrules and 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. MTP connectors shall mate to key up/key down adapter on rear of cassette. Fiber cassettes will snap into the rear of the panel and shall require no tools to remove. Cassettes will be pre-terminated and pre-tested with test documentation provided upon request. Cassettes are available in method A, B, C, and Universal Polarity, and allow for multiple cassettes to be connected in a channel.

### FEATURES & BENEFITS

- Ultra Low-Loss Base8 and Base24 MTP Connectors for maximum network design flexibility
- Available in OM3 and OM4 multimode and OS2 single-mode fiber
- Patented internal shutters on LC adapters eliminate the need for dust plugs to reduce waste, accelerate deployment, and ensure safer installation.
- Cassettes use bend-insensitive fiber
- Compatible with reversing polarity LC Uniboot patch cords
- Cassettes fit all e2XHD panel configurations
- MTP adapters swivel to three positions for easier cable routing:



- Same cassette (with Universal polarity) used on each end of fiber channel

### DESIGN CONSIDERATIONS

- Network design flexibility using 10G, 40G, and 120G switches
- e2XHD is approved by Cisco Developer Network for interoperability
- For use with:
  - Arista 7500 Series switches
  - Brocade VDX switches
  - Extreme Networks Black Diamond Series switches
  - Cisco Nexus 7000 Series switches
- Cassettes to be used with Method B trunks

### STANDARDS & REGULATIONS

- ANSI/TIA-942 data center design guidelines
- ANSI/TIA-568.3-D for performance requirements
- ANSI/TIA-604-5 (MTP), -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
Capacity:	6 or 12 duplex LC fiber adapters
Temp. (Installation):	-10 °C to +60 °C
Temp. (Operating):	-10 °C to +60 °C

### COUNTRY OF ORIGIN

Please contact Customer Service

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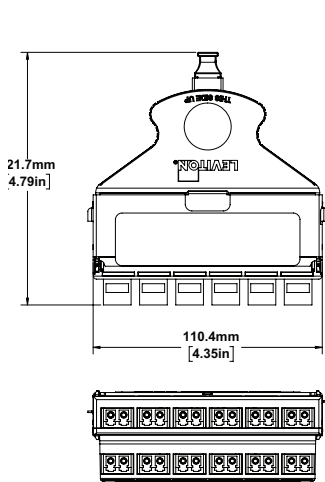


### WARRANTY INFORMATION

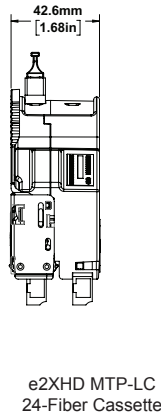
For Leviton product warranties, go to [Leviton.com/ns/warranty](http://Leviton.com/ns/warranty)

### PERFORMANCE SPECIFICATION

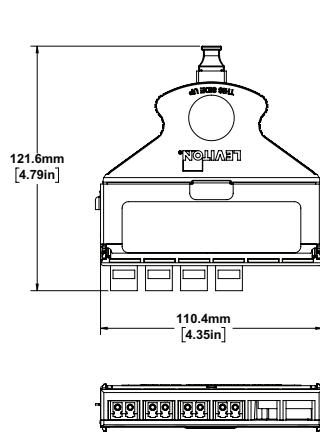
FIBER CASSETTE INSERTION LOSS (DB)				
	Multimode		Single-mode	
	Base8 Max IL	Base24 Max IL	Base8 Max IL	Base24 Max IL
MTP-LC	0.35	0.50	0.50	0.50
MTP-MTP	—	0.75	—	0.75



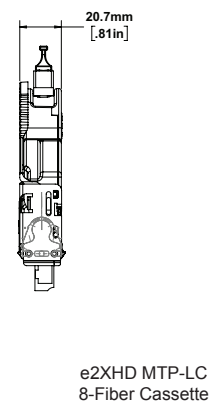
120G-10G Cassette



e2XHD MTP-LC 24-Fiber Cassette



40G-10G Cassette



e2XHD MTP-LC 8-Fiber Cassette

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### PART NUMBERS

Description	Part No.
OM4, 8 fiber, MTP (male) to LC shuttered (aqua), 4:1 10G or 25G breakout	ULE2XHD-F008CSKQDJ
OM4, 8 fiber, MTP (male) to LC shuttered (heather violet), 4:1 10G or 25G breakout	ULE2XHD-F008CSKVDJ
OS2, 8 fiber, MTP (male) to LC shuttered (blue), 4:1 10G or 25G breakout	ULE2XHD-A008CSKLDJ
OM4, 24 fiber, MTP (male) to LC shuttered (aqua), 120G to 10G breakout	ULE2XHD-F024CSHQES4
OM4, 24 fiber, MTP (male) to LC shuttered (heather violet), 120G to 10G breakout	ULE2XHD-F024CSHVES4
OS2, 24-fiber, MTP (male) to LC shuttered (blue), 120G to 10G breakout	ULE2XHD-A024CSHLES4
OM4, 24 fiber, MTP (male) to 3x8-fiber MTP (male), 120G to 40G breakout	ULE2XHD-F024NHKDS5
OS2, 24-fiber, MTP (male) to 3x8-fiber MTP (male), 120G to 40G breakout	ULE2XHD-A024NHKDS5

For e2XHD Cassettes, see Online Configurator at [www.leviton.com/configurator](http://www.leviton.com/configurator).

For further support information, visit [leviton.com/ns/support](http://leviton.com/ns/support)