



Hexatronic HD MPO to LC Cassettes

HHD MPO to LC Duplex Fiber Optic Cassette, Plug-N-Play Solution

Features

- High-density MPO to LC module configurations
- Compatible with all Hexatronic HD enclosures and panels
- Singlemode OS2 and multimode OM4/OM5 versions available
- Front-access installation and maintenance for simplified operations
- Modular High-density architecture maximises rack space utilisation
- Tool-free installation and removal for faster deployment
- Suitable for 10G, 25G, 40G, 100G, 200G, 400G and 800G Ethernet applications
- Designed for enterprise, colocation, hyperscale and AI data centre environments

Application

Hexatronic HD Modules are used to break out MPO/MTP® connectors into LC connectors. Four modules can be deployed to accommodate 96 channels within a 1U space, streamlining the deployment of optical networks in a modular fashion.

Rapid deployment solution for projects requiring compact, fast cabling and provides an easy upgrade path for existing installations.

Product Information

The Hexatronic HD fibre cassette range delivers a high-density, pre-terminated connectivity solution for telecom, colocation, and data centre environments. Available with 1, 2, or 4 rear MPO adapters and 12, 24, or 48 front-access fibre connections, each cassette is factory-assembled and tested for rapid deployment, reduced installation time, and reliable performance. Its modular design maximises rack space, simplifies fibre management, and supports seamless migration to higher-speed network applications, including 40G, 100G, and 400G.

Technical Information

Conformance	IEC 61754 series, IEC 61300 series, TIA-568, ISO/IEC 11801, RoHS/REACH
Technical Notes	Front interface: LC Duplex Rear interface: MTP/MPO 8F, 12F or 24F, male or female, pinned or unpinned Fiber counts: 8F, 12F, 24F, 36F, 48F and 72F module variants; system density dependent on enclosure Fiber grades: OS2 G.657.A1/A2, OM3, OM4, OM5 Polish options: UPC or APC for singlemode; UPC for multimode Polarity options: Type A, Type B, Type C, universal and custom mappings Housing material: Injection Molded ABS Typical module dimensions: 35 x 109 x 145 mm Operating temperature: -10 °C to +60 °C Storage temperature: -40 °C to +70 °C Durability: Minimum 500 mating cycles for MTP/MPO and discrete connector interfaces

Items 13

Item Name
Hexatronic High Density Fanout Module with 1xMPO-12 Rear input, 6x LC Duplex output (12F), OM4 multi mode and Type A (straight) HHDM-1M12-6ULCD-M4A
Hexatronic High Density Fanout Module with 1xMPO-12 Rear input, 6x LC Duplex output (12F), OM4 multi mode and Type B (reversed) HHDM-1M12-6ULCD-M4B
Hexatronic High Density Fanout Module with 1xMPO-12 Rear input, 6x LC Duplex output (12F), G657A2 bend-insensitive single mode and Type A (straight) HHDM-1M12-6ULCD-S2A
Hexatronic High Density Fanout Module with 1xMPO-8 Rear input, 4x LC Duplex output (8F), OM4 multimode and Type A (straight) HHDM-1M08-4ULCD-M4A
Hexatronic High Density Fanout Module with 1xMPO-8 Rear input, 4x LC Duplex output (8F), OM4 multimode and Type AF HHDM-1M08-4ULCD-M4AF
Hexatronic High Density Fanout Module with 1xMPO-8 Rear input, 4x LC Duplex output (8F), OM4 multimode and Type B (reversed) HHDM-1M08-4ULCD-M4B
Hexatronic High Density Fanout Module with 1xMPO-8 Rear input, 4x LC Duplex output (8F), G657A1 bend-insensitive single mode and Type AF HHDM-1M08-4ULCD-S2AF
Hexatronic High Density Fanout Module with 2xMPO-12 Rear input, 12x LC Duplex output (24F), OM4 multi mode and Type A (straight) HHDM-2M12-12ULCD-M4A
Hexatronic High Density Fanout Module with 2xMPO-12 Rear input, 12x LC Duplex output (24F), OM4 multi mode and Type B (reversed) HHDM-2M12-12ULCD-M4B
Hexatronic High Density Fanout Module with 2xMPO-12 Rear input, 12x LC Duplex output (24F), G657A2 bend-insensitive single mode and Type B (reversed) HHDM-2M12-12ULCD-S2B
Hexatronic High Density Fanout Module with 2xMPO-8 Rear input, 8x LC Duplex output (16F), OM4 multimode and Type AF HHDM-2M08-8ULCD-M4AF
Hexatronic High Density Fanout Module with 2xMPO-8 Rear input, 8x LC Duplex output (16F), G657A1 bend-insensitive single mode and Type AF HHDM-2M08-8ULCD-S2AF
Hexatronic High Density Fanout Module with 4xMPO-8 Rear input, 16x LC Duplex output (32F), G657A1 bend-insensitive single mode and Type AF HHDM-4M08-16ULCD-S2AF