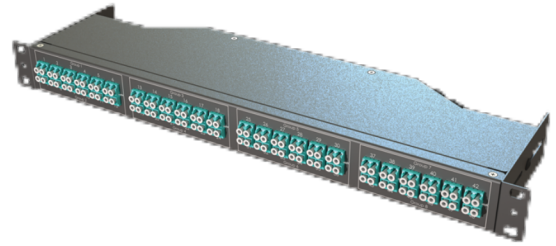


UltraSlim Panel

The UltraSlim Panels provide secure transitions between MTP/MPO and LC or SC discrete connector interfaces. They are used to interface MTP/MPO backbones with LC or SC patching and active equipment connections.

The pre-populated panel allows rapid deployment of high density data centre infrastructure as well as improved trouble shooting and reconfiguration during moves, adds and changes. The shallow depth of the Ultra Slim Panel makes it suitable for copper racking systems.

The MTP/MPO Ultra Slim Panels contain factory controlled and tested MTP/MPO-LC/SC fanouts to deliver optical performance and reliability. Low loss MTP/MPO Elite and LC/SC Premium versions are offered featuring significantly improved low insertion losses for demanding low power budget, high speed networks.



Features

- Available in OS1/2, OM1, OM2, OM3 and OM4 fibre grades
- Up to 8 MTP/MPO standard connectors
- Compliant multifibre connector rear entry ports
- Front LC (SFF Data Centre standard), SC discrete interface
- Up to 96 fibres
- Factory Terminated and Tested
- Only 11.7cm deep
- Colour black
- 19" rack mount
- **Rapid Deployment** Factory terminated modular system saves installation and reconfiguration time during moves, adds and changes.
- **Easy Installation** Open rear entry MTP/MPO ports guarantee easy cabling access and facilitates connection to MTP/MPO backbone trunks system.
- **Compact 1U Size** 11.7cm depth saves space and makes the panel compatible with copper racking system.
- **MTP/MPO Interface** MTP/MPO components feature superior optical and mechanical properties.
- **Optimised Performance** Low loss MTP/MPO Elite, discrete premium connectors and OM4 fibre assures low insertion losses and power penalties in tight power budget, high speed network environments.
- **High Density** 1U panel can scale up to 96 discrete LC connectors and up to 8 MTP/MPO rear interfaces.
- **Reliability - 100% Tested** Combination of high quality components and manufacturing quality control guarantees product to the highest standards.

Applications

- Data communication applications
- Data Centre infrastructure
- Storage Area Network - Fibre Channel
- Emerging 40 and 100Gbps Protocols compatible

Specification

ELEMENT	CHARACTERISTIC
Fibre	OS1/OS2, OM1, OM2, OM3, OM4 (ISO/IEC 60793)
Adaptors	MPO/MTP (IEC-61754-7 & EIA/TIA-604-5) Body Colour: Black Polarity: Keyway up-Keyway down, Body Colour: Grey Polarity: Keyway up-Keyway up LC Duplex, SC Simplex, SC Duplex Body Colour: Beige (MM), Aqua (MM), Blue (SM/UPC), Green (SM/APC)
Connectors	MPO/MTP (IEC-61754-7 & EIA/TIA-604-5) Boot Colour: Black Body Sleeve Colour: MM (Beige), MM Elite (Aqua), SM (Green), SM Elite (Yellow) LC (IEC 61754-20), SC (61754-4) Boot Colour: White (MM and SM/UPC), Green (SM /APC) Housing Colour: Beige (MM), Blue (SM), Green (SM/APC)
Operating Temperature	-20 ~ +60°C
Storage Temperature	-40 ~ +70°C

Connector Performance

CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS
MTP® Elite (MM)	0.10dB	0.35dB	N/A
MTP® (MM)	0.20dB	0.60dB	N/A
LC, SC Premium (MM)	0.08dB	0.15dB	N/A
LC, SC (MM)	0.15dB	0.30dB	N/A
MTP® Elite (SM)	0.10dB	0.35dB	>60dB
MTP® (SM)	0.25dB	0.75dB	>60dB
LC, SC Premium (MM)	0.12dB	0.15dB	>55/65dB*

CONNECTOR MATING LC, SC (SM) **IL AVERAGE** 0.18dB **IL MAX** 0.30dB **RETURN LOSS** >55/65dB*

*UPC/APC

Standards Compliance

- TIA/EIA-568-C.3 and ISO/IEC 11801
- EC-61754-7 & EIA/TIA-604-5
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC
- IEC-60793

Ordering Information

US	Front Connector	Adaptor Type	Rear MTP® Connector	Fibre Type	Fibre Count
US	LC LC	S Simplex (SC only)	MM MTP® Male standard (12 fibres)	09 OS1/2 652D	12 12
	SC SC	D Duplex		OM1 OM1	24 24
	LC APC LCA			OM2 OM2	36 36
	SC APC SCA			OM3 OM3	48 48
				OM4 OM4	60 60
					72 72
					84 84
					96 96

Example Part Number

US	LC	D	MM	OM4	24
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USLCDMMOM424 has created an MTP® UltraSlim Panel with 24 OM4 fibres and an LC front interface (12 fibre MTP® ferrule applied)

Technical Drawing

