

MTP® Slimline Panel

Optronics MTP® Slimline Panel provide secure transition between MTP® and LC or SC discreet connector interfaces. They are used to interface MTP® backbones with LC or SC patching and active equipment connection.

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 Slimline Panel makes it suitable for copper racking systems. Scaling up to 96 fibres panel is available for server rack in data centre environment.

MTP® Slimline Panels contain factory controlled and tested MTP®-LC fan-outs to deliver optical performance and reliability. Low loss MTP® Elite and LC Premium versions are offered featuring improved low insertion losses for demanding low power budget high speed networks.

Features

- > Up to 8 MTP® (US Conec) brand MPO standard compliant multifibre connector rear entry ports
- > Front LC (SFF Data Centre standard), SC discreet interface
- > OS1/2, OM3, OM4 Versions (OM1 and OM2 available)
- > Up to 48 (LC DX) or 96 (LC Quad) fibres panel capacity
- > Factory Terminated and Tested

Benefits

- > **Rapid Deployment**- factory terminated modular system saves installation and reconfiguration time during moves, ads and changes.
- > **Easy Installation**- open rear entry MTP ports guarantee easy cabling access and facilitate connection to MTP backbone trunks.
- > **Compact 1U Size**- short depth make panel compatible with low dimension copper racking system.
- > **MTP® Interface**- MTP US Conec brand components feature superior optical and mechanical properties.
- > **Optimised Performance**- low loss MTP Elite, discreet Premium connectors and OM4 fibre assures low insertion losses and power penalties in tight power budget high speed network environment .
- > **High Density**- 1U panel can scale up to 96 discreet LC connectors and up to 8 MTP rear interfaces.
- > **Reliability**- 100% Tested- combination of high quality components and Optronics manufacturing quality control guarantees product to the highest standards.

Connector Performance

CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS	CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS
MTP® Elite (MM)	0.10 dB	0.35 dB	NA	MTP® Elite (SM)	0.10 dB	0.35 dB	>60dB
MTP® (MM)	0.20 dB	0.60 dB	NA	MTP® (SM)	0.25 dB	0.75 dB	>60dB
LC, SC Premium (MM)	0.08dB	0.15dB	NA	LC, SC Premium (MM)	0.12dB	0.15dB	>55/65dB*
LC, SC (MM)	0.15dB	0.30dB	NA	LC, SC (SM)	0.18dB	0.30dB	>55/65dB*

* UPC/APC

Front View



Rear View



Application

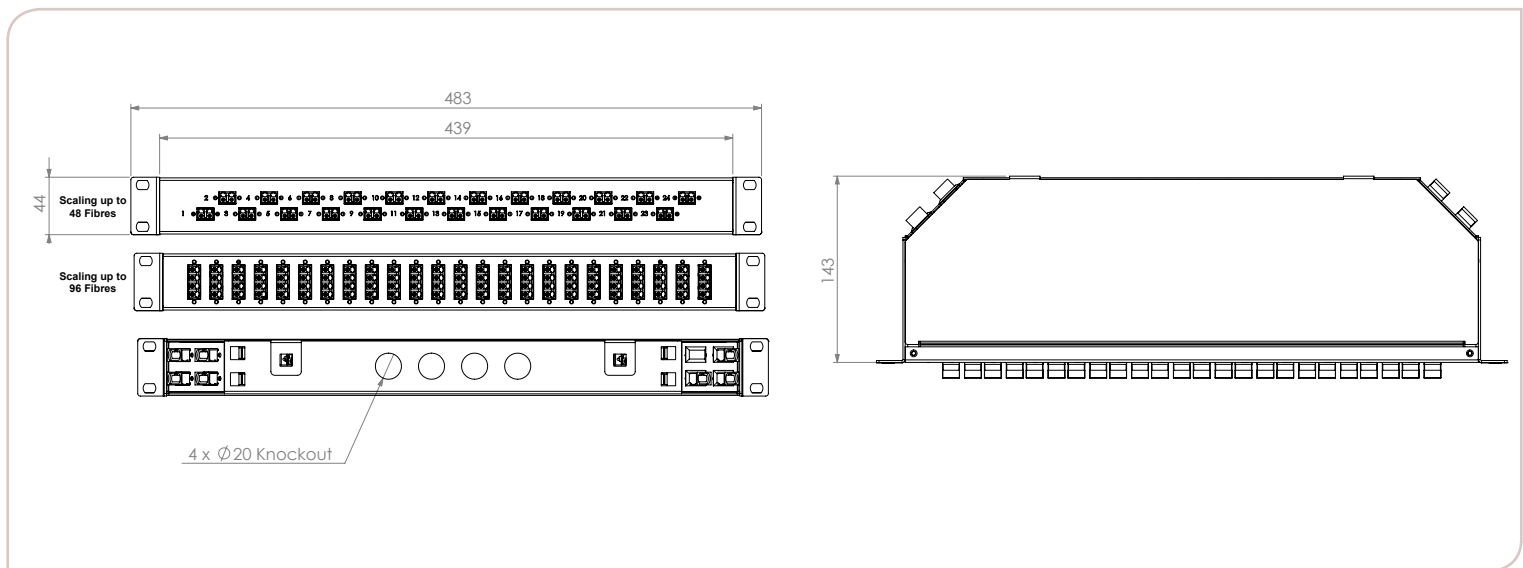
- > Data Centre Infrastructure
- > Storage Area Network- Fibre Channel
- > Parallel Optics
- > Infiniband
- > Emerging 40 and 100Gbps Protocols

Standards Compliance

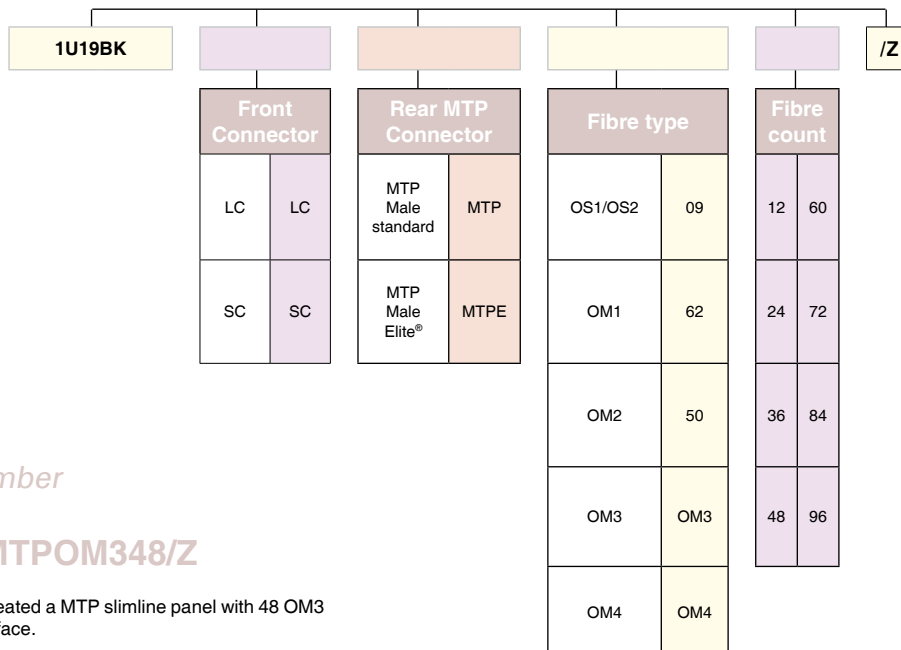
- > TIA/EIA-568-C.3 and ISO/IEC 11801
- > IEC-61754-7 & EIA/TIA-604-5
- > IEC-61754-20 (LC) & IEC-61754-14 (SC)
- > IEC-60793
- > Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC

Technical Specification

ELEMENT	CHARACTERISTIC
Fibre	OS1/OS2, OM1*, OM2*, OM3, OM4 (ISO/IEC 60793)
Adaptors	MTP® US Conec (IEC-61754-7 & EIA/TIA-604-5) Body Colour: Black Polarity: Keyway up- Keyway down, Keyway up- Keyway up LC Duplex, LC Quad (IEC 61754-20) Body Colour: Beige (MM), Aqua (MM), Blue (SM/UPC), Green (SM/APC)
Connectors	MTP® US Conec (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) Boot Colour: White (MM and SM/UPC), Green (SM /APC) Housing Colour: Beige (MM), Blue (SM), Green (SM/APC)
Operating Temperature	-10 ~ +60°C
Storage Temperature	-40 ~ +70°C



Part Number Generator



Example Part Number

1U19BKLCMTPOM348/Z

This part number has created a MTP slimline panel with 48 OM3 fibres and LC front interface.