

2x40G QSFP+ (MPO) to 8x10G SFP+ (16xLC) Transition Module



40G parallel optics transceivers like QSFP+ can support 4x10G modes- this feature allows new parallel optics active equipment being compatible with existing 10G transceivers. 2x40G QSFP+ (MPO/MTP[®]) to 8x10G SFP+ (16xLC) Transition Module provides interface between 2xQSFP+ (40G transceiver with MPO/MTP[®] interface) and 8xSFP+ devices (10G transceivers with LC(DX) Interface). Transition modules introduce convenient patching position facilitating potential adds, changes or reconfigurations to installed cabling and is a perfect alternative to fixed equipment to equipment connections provided by QSFP+ to SFP+ Fan-out Assemblies. Single 2x40G QSFP+ (MPO/MTP[®]) to 8x10G SFP+ (16xLC) Transition Module provides a transition function of 2xQSFP+ to SFP+ Fan-out Assemblies. All optical ports are positioned in front of UHD modules providing convenient front access.

FEATURES/BENEFITS

- 16xFibers module (16xLC and 2xMPO/MTP[®] interfaces) Front MPO/MTP[®] and LC ports
- SM and MM (OM3/OM4) fiber versions
- Module compatible with 1U (5xModules) 2U (12xModules) and 0U Chassis System
- Custom Transition Module polarity providing interface between 2x40G QSFP+ and 8x10G SFP+ devices
- Factory terminated and tested
- Optimized performance - Low loss MPO/MTP[®] Elite and discrete LC Premium connectors and OM4 fiber assures low insertion losses and power penalties in tight power budget high speed network environment
- Rapid deployment Factory terminated modular system saves installation and reconfiguration time during moves, adds and changes
- Reliability 100% tested - combination of high quality components and manufacturing quality control guarantees product to the highest standards

APPLICATIONS

- Data Center Infrastructure
- Parallel Optics
- Storage Area Networks (SAN)
- 40GBASE-SR4 to 4x10GBASE-SR links

SPECIFICATIONS

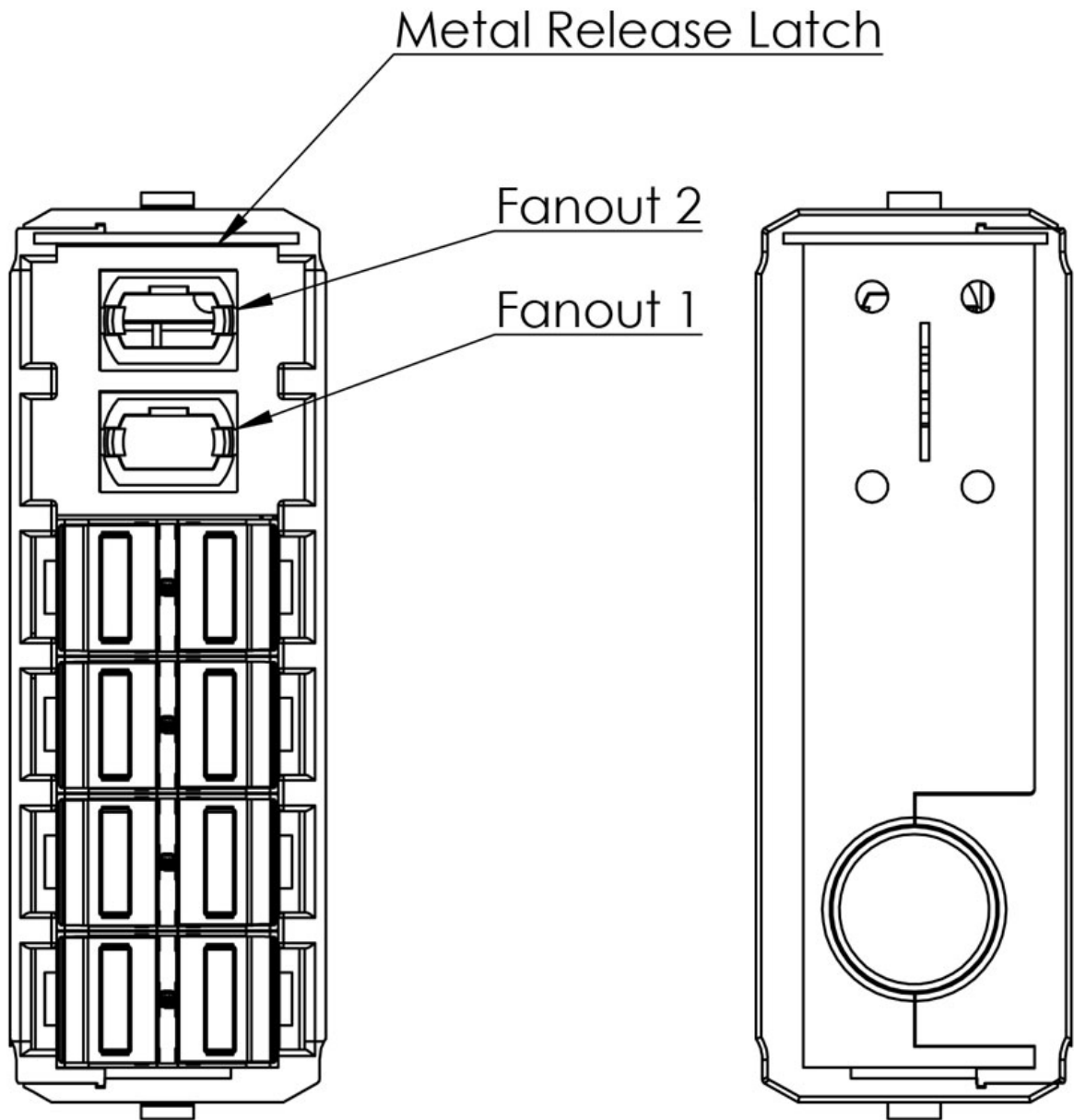
ELEMENT	CHARACTERISTIC
Fiber Types	SM 9/125 G.657A1, MM 50/125 OM4
Fiber Counts	16
Polarity Mapping	Non Standard- 2xQSFP+ to 8xSFP+
Adaptors	Front Adaptors: 2 x MPO/MTP Body Colour: Black- Opposite Keyway KeyUp-KeyDown;Front Adaptors: 6 x LC(Quad) with Internal Shutter Body Colour: Aqua(OM3/4), Erica Violet (OM3/4), Blue (SM/UPC), Green (SM/APC)
Internal Assembly Connectors	MPO/MTP[®] MM: Low Loss ELITE Male (12xFiber Ferrule) MPO/MTP[®] SM: Low Loss ELITE Male (12xFiber Ferrule) LC MM/SM Low Loss Premium
Module Material	ABS
Module Colour	Grey RAL7015
Storage Temperature	-20 ~ +60°C
Operating Temperature	-20 ~ +60°C
Module Dimension (W x D x H)	30 x 160 x 84.50mm
Package Dimensions (W x D x H)	45 x 280 x 140mm
Module Weight	2.10kg
Module Weight (Packaged)	2.75kg

Termination Performance

CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS
MTP Low Loss Elite (MM)	0.10dB	0.35dB	N/A
LC Low Loss Premium (MM)	0.08dB**	0.15dB**	N/A
MTP Low Loss Elite (SM)	0.10dB	0.35dB	>60dB
LC Low Loss Premium (SM)	0.12dB**	0.15dB**	>55/65dB*

*UPC/APC ** Tested as per IEC 61300-3-4 Fiber Specification

FIBRETYPE (ISO/IEC 11801)	OS1/OS2	OM3	OM4
Attenuation Coefficient [dB/km]	≤ 0.38 Max (1300nm) ≤ 0.25 Max(1300nm) ≤ 0.34 Typ (1550nm) ≤ 0.19 typ (1550nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max(1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max(1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 typ (1300nm)
Minimum Bandwidth: Overfilled Launch [Mhz-km]	N/A	≥ 1500 (850nm) ≥ 500 (1300nm)	≥ 3500 (850nm) ≥ 500 (1300nm)
Minimum Bandwidth: Laser Effective Modal Bandwidth [Mhz-km]	N/A	≥ 2000 (850nm)	≥ 4700 (850nm)



SC footprint MPO/MTP adaptors
secured with flange internally

Key up - key Down
MPO/MTP adaptors

ADDITIONAL INFORMATION

- TIA/EIA-568-C.3 and IEC 11801
- IEC-61754-7 & EIA/TIA-604-5
- IEC-60793

ORDERING INFORMATION

Code	Fiber Type		Code
A	4	OM4	UD16BPVA-04DL
	7	G.657A1	

Legacy ordering information

PART NUMBER	DESCRIPTION
UHD2MEM16LCMM	UHD QSFP+/SFP+ TRANS MOD 16Fibers 2xMTP(M) ELITE-16 x LC Prem OM4 50/125
UHD2MEM16LCSM	UHD QSFP+/SFP+ TRANS MOD 16Fibers 2xMTP(M) ELITE-16 x LC Prem SM G.657A1 9/125



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FURTHER INFORMATION

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.aflhyperscale.com/product/qsfp-mpo-sfp-lc-module>
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