EDGE™ AO Conversion Modules

48 fibres, Pinned MTP® to Pinned MTP, 50 µm multimode (OM4)

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EDGE™ AO Solutions is a comprehensive suite of advanced optical components that enable the next level of performance in your data centre or storage area network (SAN). From network monitoring to migration to parallel optics, this advanced optical technology integrates directly into your EDGE Solutions cabling system for maximum efficiency and return on investment.

EDGE AO Solutions allow for design flexibility based on the unique requirements of your data centre by offering both module and harness components. EDGE AO Solutions delivers efficiency by ensuring 100 percent trunk fibre utilisation at 40 and 100G. The solution's conversion modules and harnesses breakout 12-fibre connectivity from the trunk into 8-fibre connectivity for mating to electronics. Transmission at 40G is based on using eight fibres in the link – four transmitting at 10G in each direction. The anticipated 100GBASE-SR4 standard will also utilise eight fibres at 4 x 25G in each direction.

EDGE AO conversion modules have 12-fibre MTP® adapters in the rear for mating to backbone trunks and breakout to 8-fibre MTP adapters in the front for connectivity to electronics. The conversion modules fully utilise all fibres in each Base-12 set in the trunk by breaking out Base-12 MTP adapters at the rear of the module into a proportionate number of Base-8 MTP adapters at the front.

EDGE AO conversion modules are available in two configurations – 2x3 (two 12-fibre MTP adapters in the rear and three 8-fibre MTP adapters in the front) and 4x6 (four adapters in the rear and six in the front).

These modules come from the factory as a TIA-568 Type -B component. However, EDGE AO conversion modules also offer on-site MTP connectivity changes to manage field polarity. Every EDGE AO conversion module features translucent shuttered adapters that eliminate the need for separate dust caps.

EDGE AO 4x6 Conversion Module | Photo LAN4152

Features and Benefits

Reversible MTP adapters allow on-site polarity changes
Reduced risk of installation delays or errors during commissioning of new devices

Utilises existing EDGE Solutions hardware and backbone cabling
Higher return on investment and reduced capitalisation and installation costs

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Features and Benefits

Corning® ClearCurve® fibre-enabled components create smaller form factor, more rugged cabling
Reduced congestion within and between racks for improved airflow; less risk of downtime due to pinched or bent cables

Specifications

General Specifications	
Application	Data Centre LAN/SAN
Product type	Panels & Modules
Fibre Category	50 µm MM (OM4)

Temperature Range	
Operating Temperature	-10 °C to 60 °C

Design - Hardware	
Fibre Count	48
Number of adapters per panel	6
Adapter Type Front	Shuttered MTP 6x8f
Adapter Colour Front	turquoise
Adapter Type Back	MTP
Adapter Color Back	turquoise

Optical Specification - Hardware	
Module Insertion Loss, Max	0.5 dB
Wavelengths	850 nm / 1,300 nm

Design - Connector A	
Connector Type	MTP® (pinned)
Ferrule Material	Composite

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Design - Connector B

Connector Type	MTP® (pinned)
Ferrule Material	Composite

Cable design

Polarity	TIA-568 Type-B

Ordering Information

Part Number	ECM-UM48-93-93Q
Product Description	EDGE™ AO 4x6 Conversion Module, 48 F, Pinned MTP® to Pinned MTP, 50 μm multimode (OM4)
EAN Code	4042673629375
Weight	0.11 kg (0.25 lb)
Height	12 mm (0.463 in)
Width	90 mm (3.53 in)
Depth	144.3 mm (5.68 in)

Shipping Information

Units Per Delivery	1/1

RoHS COMPLIANT

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