

EDGE™ 4x4 Mesh Module

32 F, MTP® APC to MTP APC, Bend-improved Single-mode (OS2)

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EDGE™ 4x4 Mesh Modules are used to break out the 40G SR4 ports to create a 10G fabric, eliminating the need to break the MTP® into LC connectivity. The mesh modules contain four 8-fiber MTP's in the rear for mating to backbone trunks and break out to four 8-fiber MTP's in the front for connectivity to the electronics. These modules allow customers to take advantage of higher port densities per switch with lower power consumption and a lower cost per 10G port, as well as improves their ability to create port diversification when using QSFP+ transceivers for 1-G applications.

Features and Benefits

Four 8-fiber MTP inputs shuffled to four 8-fiber MTP outputs

75% less rack space required

SR4 and PSM4 mesh without breaking connections out into LC connectivity

75% less congestion at MDA

Integrates into all EDGE housings

10% less insertion loss in link and 5% less cost to deploy than traditional breakout to LC connectivity



Part Number: EMM-SM32-8989G



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Specifications

General Specifications

Application	Data Center LAN/SAN
Product Type	Panels & Modules
Fiber Category	Bend-improved SM (OS2)

Design - Hardware

Fiber Count	32
Number of Adapters per Panel	4
Adapter Type Front	MTP
Adapter Color Front	Black
Adapter Type Back	MTP
Adapter Color Back	Black
Panel or Module Type	EDGE™

Mechanical Characteristics

Dimensions (HxWxD)	11.81 mm x 89.53 mm x 124 mm (0.46 in x 3.53 in x 4.87 in)
Weight	0.45 kg

Optical Specification - Hardware

Module Insertion Loss, Max	1.0 dB
Wavelengths	1,310 nm / 1,550 nm

Design - Connector A

Connector Type	MTP® (pinned)
Ferrule Material	Composite

Design - Connector B

Connector Type	MTP® (pinned)
Ferrule Material	Composite

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Cable Design

Polarity	Universal; TIA-568 Type-B
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Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Ordering Information

Part Number	EMM-SM32-8989G
Product Description	EDGE™ 4x4 Mesh Module, 32 F, MTP® APC to MTP APC, Bend-improved Single-mode (OS2)
EAN Code	4056418145648
Weight	0.45 kg (1.0 lb)

Shipping Information

Units per Delivery	1/1
Shipping Weight	0.91 kg (2.0 lb)



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