

EDGE™ 4x4 Mesh Module

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

CORNING

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



Part Number: EMM-SM32-8989G

EDGE™ 4x4 Mesh Module

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

CORNING

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 |

EDGE™ 4x4 Mesh Module

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



Cable Design

| | |
|----------|---------------------------|
| Polarity | Universal; TIA-568 Type-B |
|----------|---------------------------|

Chemical Characteristics

| | |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
|------|---|

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) |



Corning Comunicacoes Opticas • Estrada do Camorim 633 • Jacarepagua CEP 22780-070 • Rio De Janeiro, RJ Brazil
+55 21 3416 5150 • FAX: +55 21 2441 2037 • www.corning.com/opcomm/csa

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2016 Corning Optical Communications. All rights reserved.