

EDGE™ HD Dense Wavelength Division Multiplexing (DWDM) Module

CORNING

EDGE HD-DWDM modules incorporate LC APC connections on single fiber ports and MDC APC connections on two-fiber output channel pairs. 6i, 12i and 24i modules are used for the initial channels deployed, while 12u and 24u modules are optimized to expand (or upgrade) the number of channels to 36 or 48 via a single LCA to LCA jumper. 6i, 12i and 24i modules incorporate an Aux port which combines the passbands normally associated with separate express and upgrade ports into one, as well as, additional ports that provide two combined Tx/Rx test points, with one supporting a specialized, highly isolated 1611 nm OTDR channel for active monitoring.

Features and Benefits

Four modules for all applications

- Less pre-planning required
- Reduces "working" stock for unforeseen events
- Maximizes utilization efficiency
- Consistent ITU channel numbering
- Uniform modularity enables in-place upgrades

Enhanced jumper management

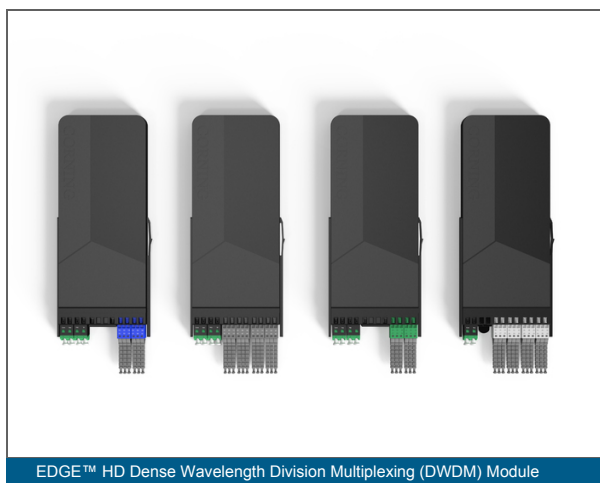
Puts channels nearer to where needed to reduce unruly cabling from developing

Color-coded MDC adapters

Easily identify module type

1RU per Switch

Supports fully loading switches with 1 to 24 node



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Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Specifications

General Specifications

Application	Headend
Cable Type	Ribbon
Mounting Type	Rack-mount
Product Type	Module
Cable type stubbed	ALTOS® All-dielectric outside plant
Multiplexing type	DWDM

Temperature Range

Temperature Range, Operation	-5 °C - 65 °C (23 °F - 149 °F)
Temperature Range, Storage	-45 °C - 85 °C (-49 °F - 185 °F)

Design

Part Number	Housing Material	Housing Type
DWXDB3MAB1C15004C2	Plastic	WDM solutions
DWXDB3MAB1C25004C2	Plastic	WDM solutions
DWXDB3MAB1C65604C2	Plastic	WDM solutions
DWXDBHMAB1C31404C2	Plastic	WDM solutions
DWXDBHMAB1C31404N2	Plastic	WDM solutions
DWXDBHMAB1C41404C2	Plastic	WDM solutions
DWXDBHMAB1C52004C2	Plastic	WDM solutions
DWXMA1B122600ZZENN	Plastic	WDM solutions
DWXMA1B125000ZZBBO	Plastic	WDM solutions

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Design

Part Number	Housing Material	Housing Type
DWXMA1B223801ZZENN	Plastic	WDM solutions
DWXMA1B241400ZZENN	Plastic	WDM solutions
DWXMA1B243800ZZBBO	Plastic	WDM solutions
EDGE-01U-DWDM	Plastic	

Design Adapter

Part Number	Adapter Type	Housing Material	Housing Color
DWXDB3MAB1C15004C2	MDC APC / LC APC	Plastic	Blue, Green
DWXDB3MAB1C25004C2	MDC APC / LC APC	Plastic	Blue, Green
DWXDB3MAB1C65604C2	MDC APC / LC APC	Plastic	Blue, Green
DWXDBHMAB1C31404C2	MDC APC / LC APC	Plastic	Black / Green
DWXDBHMAB1C31404N2	MDC APC / LC APC	Plastic	Black / Green
DWXDBHMAB1C41404C2	MDC APC / LC APC	Plastic	Black / Green
DWXDBHMAB1C52004C2	MDC APC / LC APC	Plastic	Black / Green
DWXMA1B122600ZZENN	MDC APC / LC APC	Plastic	Green / Green
DWXMA1B125000ZZBBO	MDC APC / LC APC	Plastic	Blue, Green
DWXMA1B223801ZZENN	MDC APC / LC APC	Plastic	Orange / Green
DWXMA1B241400ZZENN	MDC APC / LC APC	Plastic	White / Green
DWXMA1B243800ZZBBO	MDC APC / LC APC	Plastic	Slate / Green
EDGE-01U-DWDM		Plastic	Silver

Dimension

Part Number	Depth	Width	Height
DWXDB3MAB1C15004C2	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
DWXDB3MAB1C25004C2	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
DWXDB3MAB1C65604C2	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
DWXDBHMAB1C31404C2	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)

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Dimension			
Part Number	Depth	Width	Height
DWXDBHMAB1C31404N2	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
DWXDBHMAB1C41404C2	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
DWXDBHMAB1C52004C2	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
DWXMA1B122600ZZENN	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
DWXMA1B125000ZZBBO	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
DWXMA1B223801ZZENN	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
DWXMA1B241400ZZENN	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
DWXMA1B243800ZZBBO	250 mm (9.84 in)	92 mm (3.62 in)	12.6 mm (0.5 in)
EDGE-01U-DWDM	561 mm (22.09 in)	432 mm (17.01 in)	44 mm (1.73 in)

Ordering Information

Part Number	Units per Delivery
DWXDB3MAB1C15004C2	1/1
DWXDB3MAB1C25004C2	1/1
DWXDB3MAB1C65604C2	1/1
DWXDBHMAB1C31404C2	1/1
DWXDBHMAB1C31404N2	1/1
DWXDBHMAB1C41404C2	1/1
DWXDBHMAB1C52004C2	1/1
DWXMA1B122600ZZENN	1/1
DWXMA1B125000ZZBBO	1/1
DWXMA1B223801ZZENN	1/1
DWXMA1B241400ZZENN	1/1
DWXMA1B243800ZZBBO	1/1
EDGE-01U-DWDM	1/1

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The Corning logo consists of the word "CORNING" in a white, serif, all-caps font, centered within a solid blue square.

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