Modular 4 Channel CWDM Multiplexer/Demultiplexer

IE-iMcV-MuxDemux/4

PRODUCT FEATURES

- Add up to 8 CWDM channels to an existing 1310nm network
- Speed and protocol independent (up to 10 Gbps)
- Install the IE-iMcV-MuxDemux/4 into a compatible chassis and match the fiber connectors with the 1470nm through 1610nm wavelengths
- Daisy chain 2 modules together for 8 CWDM channels + one 1310nm over duplex fiber
- No outside power requirement

Coarse Wavelength Division Multiplexing (CWDM) is a technology that enables the transmission of multiple optical signals on different wavelengths over one strand of fiber. Suited for installations where fiber is limited in terms of availability, service providers and enterprise network managers can easily multiply their fiber capacity without incurring the costs associated with installing new fiber. For customers deploying high-end gigabit switches, the IE-iMcV-MuxDeMux/4 is ideal for supplying the growing need for greater bandwidth over fiber.

The IE-iMcV-MuxDemux/4 is a dual-wide module that provides 4 channels (8 channels using two modules) of CWDM, a network port for connecting two modules back-to-back, and an expansion port that can accommodate an existing 1310nm fiber network and for cascading a second unit.

The IE-iMcV-MuxDemux/4 modules are entirely passive, requiring no external power to function. The IE-MuxDemuxChassis/2 is an unpowered, 1U high chassis, specially designed to house the IE-iMcV-MuxDemux/4, although it is compatible with the MediaChassis and iMediaChassis chassis lines. When the IE-iMcV-MuxDemux/4 is installed in an iMediaChassis in conjunction with a SNMP Management Module, iView[2] will identify the card allowing network operators to view its status and edit port descriptions.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	NETWORK FIBER PORT	EXPANSION FIBER PORT
IE-iMcV-MuxDemux/4				
844-18147	1470-1530-LC	4	1-LC	1-LC
844-18155	1550-1610-LC	4	1-LC	1-LC

iView: Windows 2000/XP/Vista/Win7

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SPECIFICATIONS

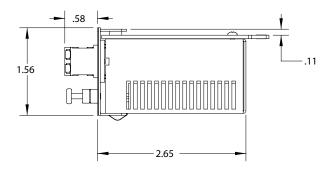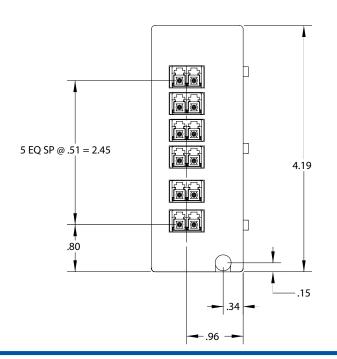| TECHNICAL |
| --- |
| 1310nm expansion port |
| Low insertion loss |
| Speed-independent |
| Protocol-independent; complies with a wide range of communications protocols including Ethernet (10, 100, 1000 Mbps or 10 Gigabit), SONET/SDH (OC-3, OC-12 OC-48), FDDI, ATM, ESCON, T1/E1, E3, DS3 and FibreChannel |
| Supports GUI-Based iView² |
| Connectors: LC |
| Supports Half- and Full-Duplex operation |

INSERTION LOSS:
Expansion to network: 3 dB
Port to network: 2.5 dB

MECHANICAL	
Dimensions	Dual-wide, two slot chassis module
Shipping Weight WDM/2 Chassis	0.9 lbs (0.34 kg)
ENVIRONMENTAL	
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Storage Temperature:	-40°F to +185°F (-40°C to +85°C)
Operating Humidity	5% to 95% (non-condensing)

MECHANICAL DIAGRAM

(dimensions in inches)

B&B ELECTRONICS

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