



Protocol-Independent Wavelength Division Multiplexing for High Volume Optical Networking Applications

IE-iMcV-WDM/2 Series



Wavelength Division Multiplexing (WDM) is a technology that enables the transmitting 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 double their fiber capacity without incurring the costs associated with installing new fiber. Campus area network managers can deploy the WDM/2 solution, for example, to combine voice and data traffic over the same duplex fiber between company facilities.

WDM/2 and iMcV-WDM/2 are two-channel, passive, protocol and speed-independent Wavelength Division Multiplexers which allow two individual wavelengths to share one fiber pair; Full-Duplex data travels on 1310 nm and 1550 nm to virtually double the capacity of installed fiber. Deploy WDM/2 products in pairs so that the host site will multiplex 1310 nm and 1550 nm onto the fiber and the remote site will then separate the signals by the wavelength. Available in standalone and modular versions, the protocol-independent WDM/2 products enable the transmitting of any protocol and any speed over 1310 nm or 1550 nm single-mode fiber.

Support a variety of protocols; easy installation

As passive, protocol-independent Wavelength Division Multiplexers, WDM/2 and iMcV-WDM/2 comply with a wide range of communications protocols including Ethernet (10/100/ 1000 Mbps), SONET/SDH (OC-3, OC-12 OC-48), FDDI, ATM, ESCON, T1/E1, E3, DS3, FibreChannel, and 10G. Installing WDM/2 products is easy— standalone WDM/2 chassis come ready to install and iMcV-WDM/2 modules slide into any iMediaChassis or MediaChassis/2. There is no configuration required for either version.

PRODUCT FEATURES

- WDM/2 and iMcV-WDM/2 double the capacity of installed fiber by transmitting two wavelengths on one strand of fiber
- WDM/2 and iMcV-WDM/2 are speed and protocol-independent, and support 1310 nm and 1550 nm single-mode fiber
- WDM/2 chassis performs multiplexing with NO outside power requirement
- Modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades and maintenance

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS
iMcV-WDM/2		
849-14100	SC	4
WDM/2 Stand Alone Chassis		
849-10100	SC	4



iView: Windows 2000/XP/Vista/Win7

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SPECIFICATIONS

TECHNICAL

Doubles the capacity of installed fiber by transmitting two wavelengths on one strand of fiber

Speed-independent

Protocol-independent; complies with a wide range of communications protocols including Ethernet (10/100/1000 Mbps), SONET/SDH (OC-3, OC-12 OC-48), FDDI, ATM, ESCON, T1/E1, E3, DS3 and FibreChannel

Supports GUI-Based iView²

Connectors: SC

Supports Half- and Full-Duplex operation

iMcV-WDM/2

Requires two slots in a chassis; modules are double-wide

Installs in any iMediaChassis or MediaChassis/2

WDM/2 STANDALONE CHASSIS

iMcV-WDM/2 module ships from factory in a standalone chassis

MECHANICAL

Shipping Weight iMcV-WDM/2 0.9 lbs. (0.34 kg)

Shipping Weight WDM/2 Chassis 1.1 lbs. (0.50 kg)

ENVIRONMENTAL

Operating Temperature +32° to +122° F (0° to +50° C)

Storage Temperature: -13° to +158°F (-25° to +70°C)

Operating Humidity 5% to 95% (non-condensing)

REGULATORY APPROVALS

FCC Class A

UL/cUL, CSA, CE

MECHANICAL DIAGRAM

(dimensions in inches)

