



10/100Base-T, Ethernet over VDSL

IE-iMcV-VDSL2 LANextender



PRODUCT FEATURES

- Media and protocol converter - converts 10/100BaseT to VDSL
- Operates over existing CAT3 or other telephone cabling
- Supports VDSL2 for Band Plan 997/998, symmetrical and asymmetrical transmission per ITU-T G.993.2 standard
- Extended operating temperature of -40° C to +85° C
- Features Flow Control, Link Loss, Link Fault Pass-Through (LFPT) & Remote Alarm Indication (RAI)
- Link Quality LED displays maximum supported bandwidth
- Overflow LED to display congestion on the VDSL line

IE-iMcV-VDSL2 Ethernet LAN extenders enable LAN and campus network managers and service providers to use an existing phone-grade wiring plant to extend 10 Mbps and 100 Mbps Ethernet twisted pair interfaces by using Ethernet over VDSL; the 100 meter distance limitation of twisted pair data cabling is no longer a challenge.

Designed with Second Generation VDSL (Very high-bit-rate Digital Subscriber Line) technology, the IE-iMcV-VDSL2-LANextender allows the transmission of data over sub-standard CAT3 and other telephone cabling to achieve higher data rates than comparable VDSL converters at short distances (less than 100 meters), while supporting asymmetrical data rates on substantially longer lines (greater than 2 km).

IE-iMcV-VDSL2-LANextender module includes:

- One VDSL port with an RJ-11 connector
- One 10/100 twisted pair Ethernet port with a RJ-45 connector
- Auto MDI/MDIX, Auto Negotiation and Selective Advertising with Flow Control on the 10/100 port

ORDERING INFORMATION

MODEL NUMBER	RANGE	VDSL PORTS	VDSL CONNECTOR	ETHERNET PORTS	ETHERNET CONNECTOR
IE-iMcV-VDSL2 LANextender					
851-18200	Refer to Matrix	1	RJ11	1	RJ45

DISTANCE	UPSTREAM DATA RATE*	DOWNSTREAM DATA RATE*	UPSTREAM DATA RATE*	DOWNSTREAM DATA RATE*
	Asymmetrical		Symmetrical	
300 FT.	58 Mbps	100 Mbps	84 Mbps	98 Mbps
1,000 FT.	43 Mbps	85 Mbps	61 Mbps	63 Mbps
2,000 FT.	14 Mbps	50 Mbps	25 Mbps	37 Mbps
5,000 FT.	0.3 Mbps	16 Mbps	0.3 Mbps	16 Mbps

* Distances and speeds are approximate; actual distances depend on wiring quality and gauge. The distances are less than or equal to the values listed.

* The actual Ethernet speeds are lower than the speeds listed above due to VDSL overhead.



iView: Windows 2000/XP/Vista/Win7

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SPECIFICATIONS

TECHNICAL

Operates over existing telephone twisted pair cabling (CAT3)

IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX

Asymmetric/symmetric data rates (Band Plan 997/998)

IEEE 802.3x Flow Control

Auto Negotiation of speed and duplex (HDX/FDX) on Ethernet port

Includes Link Fault Propagate

Supports packets up to 1536 bytes

Installs in any iMediaChassis or MediaChassis

Supports GUI-Based iView²

Connectors: RJ-45 and RJ-11

Includes diagnostic LEDs

Include hot-swappable architecture

MECHANICAL DIAGRAM

(dimensions in inches)

MECHANICAL

Dimensions 4.19"H x 0.78"W x 2.75"D
(10.74 x 2 x 7.05 cm)

Shipping Weight 0.30 lbs (.11 kg)

ENVIRONMENTAL

Operating Temperature: -40° to 185° F (-40° to +85° C)

Storage Temperature: -67° to 257° F (-55° to +125° C)

Operating Humidity 5% to 95% (non-condensing),
0 – 10,000 ft. altitude

REGULATORY APPROVALS

FCC Class B

UL/cUL, CSA, CE

