

DCombus.

MVL 100D5A

IP-based VDSL2 100Mbps Modem



MVL100D5A is a VDSL2 (ITU-T G.993.2) Ethernet Bridge modem that represented an end-to-end VDSL2 solution for a 100Mbps Ethernet over a twisted pair wire.

With up to 100Mbps downstream and upstream bandwidth, **MVL100D5A** modem offers higher bandwidth than traditional ADSL gateways.

The higher bandwidth allows small to medium business users to enjoy quality symmetric and asymmetric applications and home users can enjoy smooth media-rich entertainment which was previously unavailable.

MVL100D5A, IP-based VDSL/VDSL2 100Mbps Ethernet Bridge Modem seamlessly extends high-speed Internet connection, or the existing Ethernet network, to any room in the building or house with a telephone jack. It provides data rates up to 100Mbps symmetric speed at distance up to 300m by sharing the existing phone line with Plain Old Telephone service (POTS).

Specifications

MVL100D5A

Features

- Full VDSL2 bandwidth of up to 30MHz
- IP-based VDSL2 Internet Access
- Line coding: DMT
- Ethernet over VDSL
- G.993.1 VDSL
- G.993.2 VDSL2
(Profile 8a,8b,8c,8d,12a,12b,17a,30a)
- Band Plan 997 and 998
- Up to 100Mbps downstream transmission
- Up to 3.5 Km (long-reach mode)
- LR-VDSL2 (by eco cancellation)
- Build-in POTS Splitter
- Power ON/OFF/Auto (power saving mode)
by computer power sensing (optional)



Supported Standards

- VDSL2 (ITU-T G.993.2)
- VDSL1 (G.993.1, ANSI T1.424, ETSI TS 101 270)
- EFM (IEEE 802.3ah)

Performance

- Data Rate: 100Mbps symmetric up to 300m
- Longer reach (128kbps/64kbps up to 3km)

Network Protocols

- IEEE802.3u
- Flow control in full duplex mode
- 802.11d transparent bridging

Interface

- LAN: 10/100 Auto MDI/MDIX / RJ-45
- VDSL2: VDSL2 Line / RJ-11
- Phone: Phone Line / RJ-11

Indicators / LED

- Power
- VDSL2 Link
- VDSL2 Data Transmission
- 10/100Mbps link status/activity

Power

- Input: AC110 ~ 240V, 50/60Hz
- Output: DC5V / 2A

Environment

- Operating Temperature: 0 ~ 40°C
- Operating Humidity: 10 ~ 90%
(Non-condensing)

Physical

- Dimension (w x d x h): 160x130x30mm
- Weight: max. 260g

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