



# VDSL2 P2P Modem

## Overview

With up to 100Mbps for downstream and 95Mbps for upstream, the VDSL2 Point-to-Point Modem connection offers higher data transfer rates and more bandwidth than conventional ADSL connections.

The VDSL2 P2P provides a robust and extremely reliable connection at up to one mile. The solution allows the extension of the internal network (without compromising speed or content) to places not previously available.

## 100/95 Mbps VDSL2 – Delivering 100Mbps even to the farthest points of your infrastructure.

The VDSL2 P2P Modem is a network extender providing network connectivity never before possible without the use of fiber. High bandwidth throughput of 100Mbps, the VDSL2 P2P Modem can bridge buildings, disjointed office spaces, even golf course facilities through existing PSTN infrastructure.

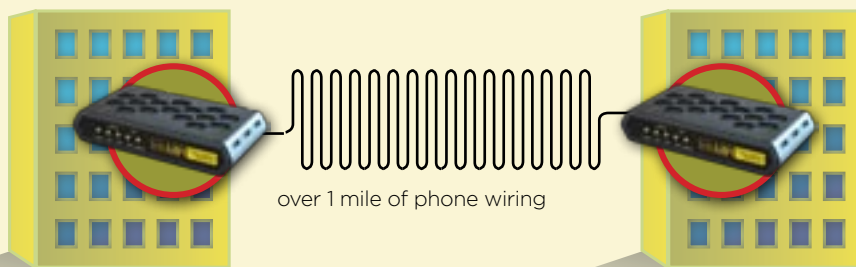
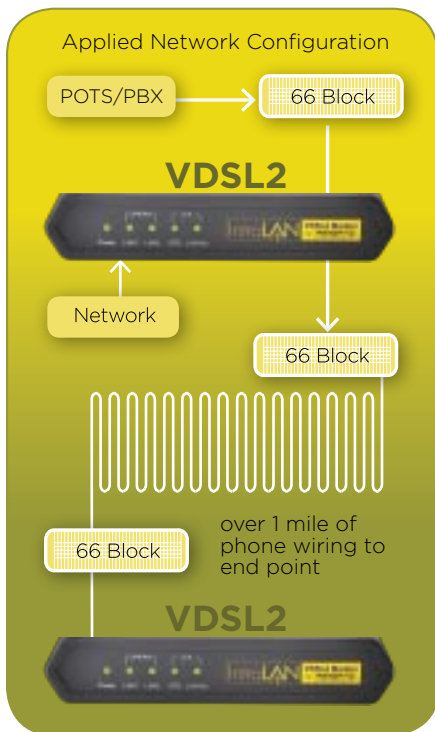


A VDSL2 P2P connection can be established in minutes and the most remote areas of your environment can have high speed internet access. The provided bandwidth easily supports workgroups, web/security camera and multiple VoIP handsets at extreme distances.

The single design of the VDSL2 P2P Modem allows for flexible/ interchangeable device placement through the use of user-accessible dip switches. VDSL2 P2P Modems are connected through any twisted pair wiring infrastructure – from standard PSTN architectures to dedicated CAT5 runs extending beyond the ethernet 300-ft. limit. A pair of VDSL2 P2P Modems will connect across a legacy PSTN architecture within seconds and deliver a robust high-speed connection.

## Key Features

- High-Speed 100/95Mbps communication link over existing phone lines
- Operates transparent to high layer protocols such as TCP/IP
- Auto-MDIX and Auto-sensing 10Base-T or 100Base-TX and Full or Half-Duplex on the Ethernet port
- Plug and Play design for simple installation and single DIP switch configuration
- Status LEDs for simple monitoring of the device and connection status



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*This is perfect solution for connecting buildings, office areas, and remote departments over the existing phone infrastructure without comprising network speed.*

# Specifications

## Network Standards

- IEEE802.3 10BASE-T, 10Mbit/s
- IEEE802.3u 100BASE-TX, Fast Ethernet at 100Mbit/s, Auto-negotiation
- IEEE802.3x Full Duplex and Flow Control

## Protocol:

- Transparent to higher layer protocols

## Connectors

- Fast Ethernet: Two RJ45 Connectors
- RJ11: Two RJ11 Female Connectors, one for line, the other for phone

## Transmission Speed and Distance

- Within a distance of 300 meters maximum speed of 100/95Mbps
- 50Mbps@915 meters (3,000 feet), reach down to 20Mbps @ about 1.7Km (5,600 feet) with 176dBm/Hz Noise Floor
- Selectable "Band Plan" allows for allocation of throughput

## Fast Ethernet Interface:

- 10/100Mbps
- MDI/MDI-X Auto Crossover

## Network Management

- Diagnosis of DSL link function
- Line SNR select
- Line Interleave protect
- CO/CPE side selectable
- Band Plan profile selectable

## Indicators

- Power LED
- LAN 1 Link/Act LED
- LAN 2 Link/Act LED
- Line CPE/CO LED
- Line Link/Act LED

## Environment Conditions

- Operating Temperature: 0 ~ 40°C (32 ~ 104°F)
- Storage Temperature: -20 ~ 70°C (-4 ~ 158°F)
- Operating Humidity: 10% ~ 90%, Non-condensing

## Power Requirement

- External Power Supply: 12V/1A
- Power consumption: < 4 Watts

## Physical Dimension

- 155mm(W) x 83mm(D) x 30mm(H)

## Unit Weight

- 300g

## Emissions Compliance

- FCC part 15 Class B, CE Mark

# Warranty

1 year

Specifications are subject to change without notice.



# VDSL2 Specifications

FRONT PANEL



BACK OF UNIT



Advanced Network Solutions  
for Business and Industry.

## About Panoptic Corporation

Panoptic Technology's focus is to develop and enhance technologies to meet the ever increasing demands of business both today and in the future. Panoptic Technology optimizes technology migration by developing solutions that maximize performance while minimizing startup or investment costs.

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