VDS-0201 (Annex B)

Why convert Ethernet to VDSL?

The LevelOne VDS-0201 converts your data from Ethernet to VDSL, making it easy to send high-bandwidth data over long distances. This new technology uses traditional twisted-pair telephone wiring instead of expensive Cat.5 cables.

New technology = cost-effective deployment

When using VDSL (Very High Speed Digital Subscriber Line) technology, users can transmit data **up to 300 meters** without having to add expensive Ethernet switches or cables to extend the network reach. And with 100Mbps downstream and 60Mbps upstream, VDSL technology provides ample space for all high-bandwidth usage.

Fast transfer speeds? Yes. Easy Installation? Yes.

VDS-0201 works especially well in applications where traditional copper phone lines are already installed: apartments, condominiums, hotels, university campus, etc. There is no need to run expensive Ethernet cables and installers can easily integrate VDSL technology into the existing network. The VDS-0201 is plug and play ready and requires minimum installation time.

Customized settings

Each VDS-0201 also allows for customized settings for advanced use. Using a built-in DIP switch, users can customize the behavior of the device to match the desired network configuration.

Annex B

For networks that utilize ISDN telephone systems.

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Key Features

- Supports a VDSL connection up to 2km over single pair copper wire
- Provides100Mbps downstream and 60Mbps upstream over 300m
- Compliant with ITU-T G.993.1, G.993.2 VDSL/VDSL2 and SG15Q4 DMT standards
- Auto MDI/MDIX for 10/100 BaseT Ethernet LAN Ports

- Features selectable Fast and Interleaved modes
- Selectable fixed data rate and fixed SNR margin
- Features 4 Dip Switches for Configuration Settings
- Low-Latency for Video/Voice/Data applications

Technical Specification

VDSL Transmission
- ITU-T G.993.1/2, SG15Q4 DMT Compliance
- Trellis Code with 1024 DMT bins
- Max Data Rate: 100/60 Mbps
- 1 * RJ-11 Port for DSL
- 1 * RJ-11 Port for Telephone

LAN Interface
- Auto-Detection for 10/100 BaseT and Half/Full duplex
- High performance bridge for Ethernet extension
- Fully compatible with IEEE802.3/IEEE802.3u
- Automatic MDIX Function
- RJ-45 Connector x 2
- ITU-T G.993.1/2, SG15Q4 DMT Compliance
- Trellis Code with 1024 DMT bins

Physical Specifications
LEDs
Power, LAN1, LAN2, DSL, M/S

Power Supply
DC 5V, 2A

Dimension
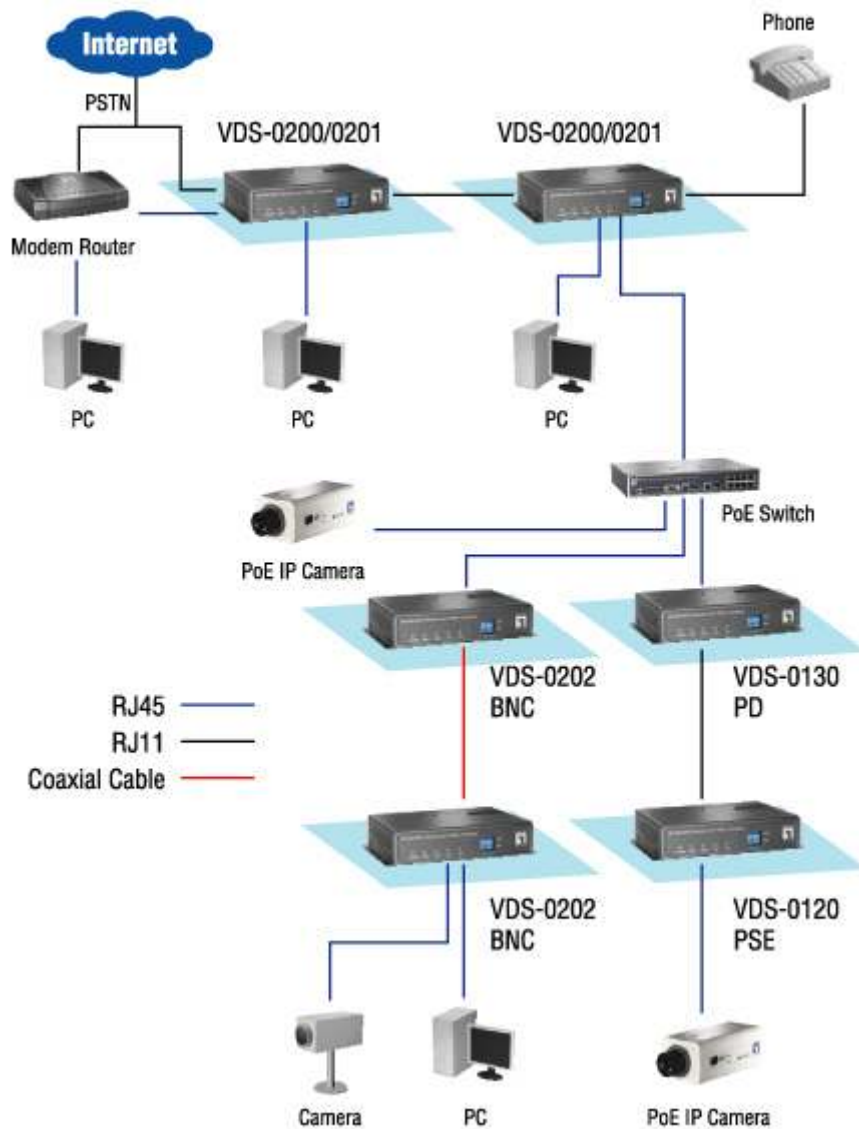120mm (L) x 90mm (W) x 28mm (H)

Operating Temperature and Humidity
Operating: 0°C ~ 50°C
Humidity: 0% ~ 70% (non-condensing)

EMI Certifications
CE, FCC Class B

www.level1.com

Product Diagram

Order Information

VDS-0200:   VDSL2 LAN Extender

Package Content

- VDS-0201 VDSL2 Converter
- 5VDC/2A Power Adaptor
- User Manual CD
- Telephone Line

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