



## Ethernet Over VDSL2 Converter (PD)



VDS-0130

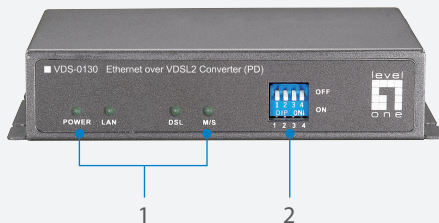
H/W Version: 1

The VDS-0130, a VDSL2 (Very high-bit-rate Digital Subscriber Line) PoE LAN Extender, provides a broadband transmission up to 100/60Mbps downstream/upstream data rate over single pair copper line for point-to-point Ethernet connectivity. With 100/60Mbps data rate, VDS-0130 supports transmission distance up to 300m and 30/10Mbps for 1km long range connections. Users may also select a fixed data rate or a fixed SNR margin for different copper line ranging.

With Power over Ethernet (PoE) feature, VDS-0130 supplies power over an Ethernet cable from a central Ethernet Power Source Switch and works without

external power adapter. Plug-and-play features a minimum installation time, each VDS-0130 can be configured into either CO for central side or RT for remote side by dip switch setting.

The VDS-0130 complies with ITU-T G.993.1 and G.993.2 to meet VDSL/VDSL2, and SG15Q4 DMT for network requirements. A pair of VDS-0130 offers a cost effective solution for bandwidth-hungry applications such as LAN-to-LAN connectivity, Video Streaming, FTTB, and MDU/MTU over single twisted pair telephone line.



1. LEDs
2. Dip Switch
3. VDSL2 Interface
4. 10/100Mbps Port

### Key Features

- Compatible with ITU-T G.993.1, G.993.2 VDSL/VDSL2 and SG15Q4 DMT
- 100/60Mbps Downstream/Upstream for distance up to 300m
- Supports VDSL2 connection up to 2000m
- Compliant with IEEE802.3af Power-over-Ethernet (PoE) Standard
- Compatible with Class 0 ~ 3 equipment for input voltage 36V ~ 60V
- RJ11 for DSL interfaces + RJ45 for Ethernet LAN port
- 4 LED Indicators
- 4 Dip Switches for Configuration Settings
- Trellis Coding support up to 1024 Discrete Multi-Tone (DMT) bins
- Auto MDIX for 10/100BaseT Ethernet LAN Ports
- Low-Latency for Video/Voice/Data applications
- Line Surge Protection
- Selectable Fast and Interleaved modes
- Selectable fixed data rate and fixed SNR margin

### Works Well With



**VOI-7100**  
PoE IP Phone



**FCS-1081**  
PoE IP Camera

## Technical Specification

### VDSL Transmission

ITU-T G.993.1,G.993.2VDSL/VDL2 and SG15Q4MT Compliance  
Trellis Code with 1024 DMT bins  
Max Data Rate: 100/60 Mbps  
1\* RJ11 Port for DSL

### LAN Interface

Auto-Detection for 10/100 Base and Half/Full duplex  
Fully compatible with IEEE802.3/IEEE802.3u/IEEE 802.3af  
Automatic MDIX Function  
RJ-45 Connector x 1 with PD function

### LEDs

Power,LAN,DSL, M/S

### Power Supply

IEEE 802.3af Compliant

### Dimension

120x90x 28(mm)

### Operating Environment

Humidity: 5% to 95% non-condensing

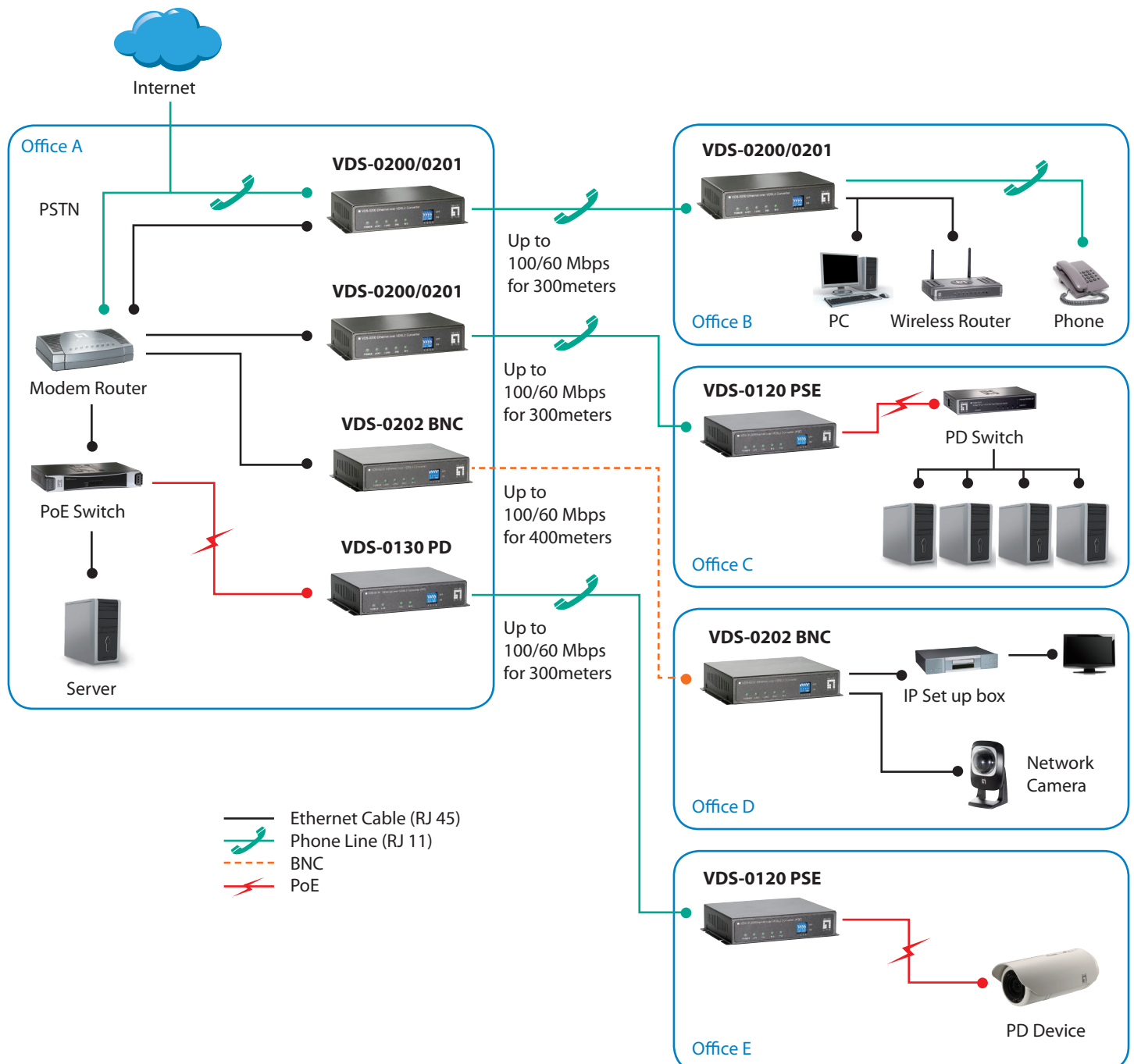
Temperature: 0 ~ 50 degree C

### EMI Certifications

FCC Rules Part 15 Class B

CE

## Product Diagram



## Order Information

## Package Contents

**VDS-0130:** Ethernet Over VDSL2 Converter (PD)

VDSL2 Converter

User Manual

Telephone line