

EEV2-COPPER-P is a VDSL LAN Extender providing a broadband transmission up to 100/60Mbps for downstream/upstream over single pair copper line for point-to-point Ethernet connectivity. With 100/60Mbps data rate, EEV2-COPPER-P supports transmission distance up to 300 meters and 30/10 Mbps for 1km long range connection. Users may also select a fixed data rate or a fixed SNR margin for different copper line ranging. With power over Ethernet feature, EEV2-COPPER-P provides power supply over Ethernet cable to Ethernet PD device with voltage in the range from 44 to 57Volt



Features:

- ITU-T G.993.1, G.993.2 VDSL/VDSL2 and SG15Q4 DMT Compliance
- 100/60Mbps Downstream/Upstream for distance up to 300 meters
- Trellis Coding support up to 1024 Discrete Multi-Tone (DMT) bin
- Supports DSL connection up to 2000 meter
- Selectable Fast and Interleaved modes
- Selectable fixed data rate and fixed SNR margin
- Auto MDIX for 10/100 BaseT Ethernet LAN Ports
- IEEE 802.3af PSE complaint for Class 0-3
- 4 Dip Switches for Master/Slave Configurations
- Low-Latency for Video/Voice/Data applications

Technical Specifications:

VDSL Transmission:

- ITU-T G.993.1/2, SG15Q4 DMT Compliance
- Trellis Code with 1024 DMT bins
- Max Data Rate: 100/60 Mbps
- RJ-11 Connector x 1

POTS Interface:

- Optional Annex A, B, or C
- RJ-11 Connector x 1

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 1
- IEEE 802.3af PSE Complaint

PSE

- IEEE 802.af Compliant with output voltage within 44 -57Volt
- Safety-extra-low-Voltage Complaint
- Maximum 15.4 Watt Power Level for Class 0-3
- Power Auto Restart with under voltage Lockout Fault Detection

LED Indicators:

- **POWER:** Power is ON
- **LAN:** Data Activity of LAN Port
- **DSL:** VDSL Loop Connection Status
- **M/S:** Master/Slave Selection

Physical Dimension:

Desktop: 120 x 90 x 28 (mm)

Power:

12VDC 2A

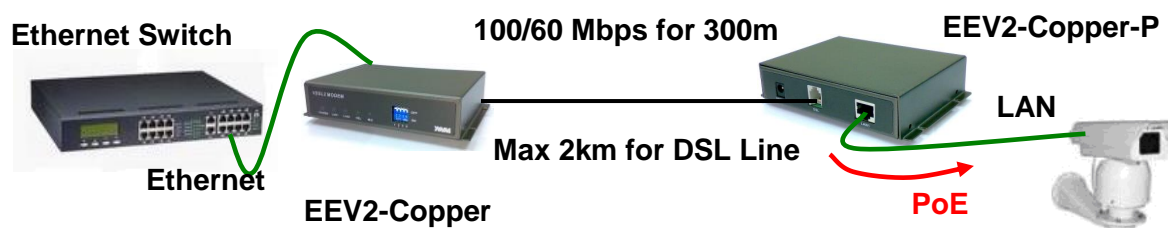
Operating Environment:

- Humidity: 5% to 95% non-condensing
- Temperature: 0 ~ 50 degree C

Regulatory Compliance:

- FCC Rules Part 15
- CE

Application Diagram:



Performance in AWG 26 Line at 6dB without rate limit

Down Stream Data Rate (Mbps)	Up Stream Data Rate (Mbps)	Distance (feet)
100	60	500
98	53	1000
90	44	1250
80	36	1500
70	27	1750
60	18	2000
48	11	2500
39	8	3000
35	3.5	3500
28	0.3	4000

ORDER INFORMATION

Model Name	Description
EEV2-Copper-P	VDSL POE LAN Extender- Copper Phone Line