

10/100 VDSL Ethernet Extender Kit over Single Pair Wire – 1km StarTech ID: 110VDSLEXT



The 110VDSLEXT VDSL Ethernet extender kit lets you span a 10/100 network over extremely long distances (up to 1km) while still maintaining high-speed network connectivity, allowing you to run the connection over standard RJ45 cabling, existing RJ11 phone lines, or any other set of single pair wires. The VDSL (VDSL2) kit is simple to install and provides an out-of-the-box solution as both the Ethernet-VDSL extender and receiver units are included.

A perfect solution for a broad range of applications including connecting isolated user stations within the same building or between separate buildings, or overcoming infrastructure obstacles and distances (e.g. older stone/concrete architecture) where new wiring or wireless may be impossible. The VDSL Ethernet LAN Extender kit helps to eliminate expense by allowing video streaming and data to share the same telephone pair without interference.

Solution Diagrams:

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications and Solutions

- Provide connectivity to a user or network segment that is in an isolated area of a large complex or in another building altogether
- Extend network connectivity to remote areas of stadiums, auditoriums or other venues
- Industrial applications include controlling CNC machinery, polling bar code scanner data, administering process control equipment, and other harsh environment applications
- Monitor and control medical equipment, security keypads/card scanners, point of sale equipment and remote sensor data, and various other healthcare related network communications
- Remote sensor monitoring for traffic flow management (air traffic control, expressway flow)

Features

- Light in weight and a very compact design
- Supports flow control for Fast Ethernet (pause frame or Back Pressure)
- IEEE 802.1Q VLAN tag transparent
- Allows you the ability to select fixed SNR margin (9 dB) or fixed target data rate
- Supports both symmetric and asymmetric transmission
- Selectable CPE and CO mode via DIP switch

Technical Specifications

- Warranty: 2 Years
- Product Height: 0.87 in [22 mm]
- Humidity: 10~90% RH
- LED Indicators: LAN: ACT/LNK, 10/100 Mbps, Half/Full Duplex
- LED Indicators: VDSL: Power On/Off, CO/CPE, Idle/Trained/Link
- Product Length: 3.74 in [95 mm]
- Maximum Cable Length: 3280 ft [1000 m]
- Maximum Data Transfer Rate: 0m - 100Mbit/s

300m - 75Mbit/s

1km - 10Mbit/s

- Operating Temperature: 0°C to 50°C (32°F to 122°F)
- Carton Quantity: 15
- Industry Standards: IEEE 802.3/802.3u/802.3x10/100 Base-T Auto-Negotiation, Auto-MDI/MDI-X, ITU-T

G993.1/993.2 On-board surge protection

- Storage Temperature: 0°C to 70°C (32°F to 158°F)
- Shipping (Package) Weight: 2.08 lb [0.94 kg]
- Product Weight: 3.18 oz [90 g]
- Product Width: 2.83 in [72 mm]

• **Note:** You have the ability to use up to four sets over a single Cat5e or Cat6 cable which can be used as separate LAN (or VLAN) connections, or bridged into a trunk line for additional speed/bandwidth over long distances (Up to two sets only over standard Cat5).

