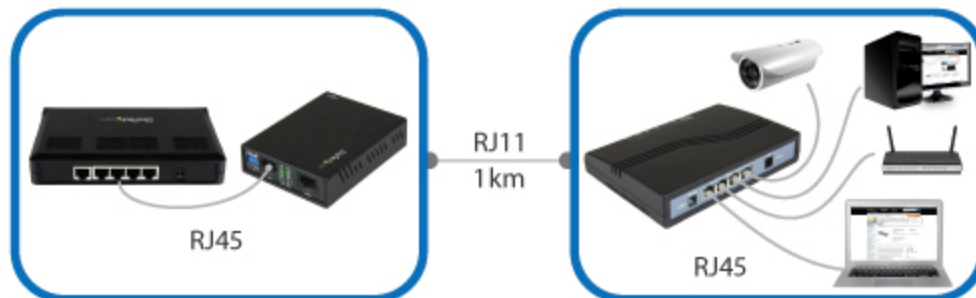# 1-port to 4-port VDSL2 Ethernet extender kit over single-pair wire - 10/100Mbps - 1km

StarTech ID: 410VDSLEXT2

The 1-port to 4-port VDSL2 Ethernet extender kit lets you connect up to 4 remote network segments or devices to your network, using RJ11 phone cable.

This VDSL2 extender is easy to use and integrates a 4-port Ethernet switch on the receiver unit, which reduces the expense of purchasing additional network switches or routers.

Span your network, even across long distances

The extender reduces the hassle of networking your isolated devices or server rooms by overcoming the 330ft (100m) distance limitations of common CATx Ethernet cable. It's perfect for connecting remote IP cameras or user workstations using single-pair copper wire such as telephone cable.

The versatile extender spans your network at distances up to 3300ft (1000m) at 40Mbps, or 1000ft (300m) at 100Mbps throughput.

Save your money, use with existing infrastructure

With a built-in 4-port Ethernet switch, you don't have to purchase additional networking equipment at the remote

location. Plus, you can deliver network access across the existing phone line infrastructure for added cost savings, or simply use a single point-to-point RJ11 cable.

The reliable extender is ideal for networking separate buildings at the same location, or for use in older buildings that only have plain old telephone service (POTS). It gives you more network connectivity options in locations where standard CATx wired or wireless access is unavailable or unreliable.

Suits your needs, right out-of-the box

This extender kit is the perfect all-in-one extension solution. With an integrated DIP switch as well as web-based customization, you have all the tools needed for simple yet effective network extension and management.

The web-interface lets you tweak settings such as IP, port, and MAC address filtering, and to get you up and running quickly there's no driver or software installation required.

The 410VDSLEXT2 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Connect users in isolated areas of a large complex or separate buildings using existing RJ11
- Deploy in stone, concrete, or heritage buildings where network connectivity is typically unavailable
- Extend network access and connect multiple IP cameras or Wi-Fi access points in remote areas of a stadium, auditorium, or campus

Features

- Reduce additional expenses using your existing phone line infrastructure or RJ11 cable
- Connect multiple RJ45 network devices directly to the receiver, with an integrated 4-port Ethernet switch
- Create a convenient point-to-point extension over longer distances than standard 10/100Mbps Ethernet cable
- Quickly configure and manage your network with a simple web-based interface
- 8kV air and 4kV contact ESD and surge protection
- Supports IP, port, and MAC address filtering
- Supports VLAN tagging, Quality of Service (QoS), auto-MDIX, Auto-Negotiation, and full-duplex operation

Technical Specifications

Warranty	2 Years
Chipset ID	Transmitter: Metanoia MT3201, MT2201GL-B1 Receiver: Metanoia MT2301GL-A1, MT3301GN-A3
Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX
Industry Standards	VDSL2 ITU-T G.993.2, VDSL ITU-T G.993.1, and VDSL2/VDSL ITU-T G.997.1 compliant
Industry Standards	IEEE 802.3x Full Duplex Flow Control, IEEE 802.1Q VLAN Tagging, IEEE 802.1P Quality of Service (QoS)
Ports	4
Regulatory Approvals	EN61000-4-5 4KV EN61000-4-2 - Air +/- 8KV, Contact +/- 4KV
Auto MDIX	Yes
Auto-Negotiation	Yes
Full Duplex Support	Yes
Jumbo Frame Support	No
Max Distance	1 km (0.6 mi)
Maximum Data Transfer Rate	200 Mbps - Full-Duplex
MTBF	Transmitter Unit: 73,519 Hours Receiver Unit: 66, 436 Hours
VLAN Tagging	Yes
Local Unit Connectors	2 - RJ-45 Female
Remote Unit Connectors	4 - RJ-45 Female
Remote Unit Connectors	1 - RJ-11 Female
Note	**Dimensions (LxWxH) and Weights (oz/g)** Transmitter Unit: 95 x 72 x 22 mm - 3.2 oz [90 g] Receiver Unit: 180 x 132 x 37 mm - 10.6 oz [300 g]
Color	Black
Enclosure Type	Plastic
LED Indicators	Please see product manual
Center Tip Polarity	Positive
Input Current	0.36 A
Input Voltage	100 ~ 240 AC

Output Current	1.0 A
Output Voltage	12 DC
Plug Type	M
Power Consumption	Transmitter Unit: 4.5 W Max Receiver Unit: 5.0 W Max
Power Source	2 AC Adapters Included
Humidity	Transmitter Unit: 10~90% RH (Non-Condensing) Receiver Unit: 10~95% RH (Non-Condensing)
Operating Temperature	Transmitter Unit: 0°C to 50°C (32°F to 122°F) Receiver Unit: 0°C to 45°C (32°F to 113°F)
Storage Temperature	Transmitter Unit: -10°C to 70°C (14°F to 158°F) Receiver Unit: -20°C to 70°C (-4°F to 158°F)
Shipping (Package) Weight	2.5 lb [1.1 kg]
Included in Package	1 - 1 Port VDSL2 Ethernet Transmitter
Included in Package	1 - 4 Port VDSL2 Ethernet Receiver
Included in Package	2 - Universal Power Adapters (NA/UK/EU)
Included in Package	1 - RJ45 to VDSL2 Cable
Included in Package	1 - RJ11 Cable
Included in Package	1 - Instruction CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

RoHS Compliant
Available

CE

FC