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Data Sheet

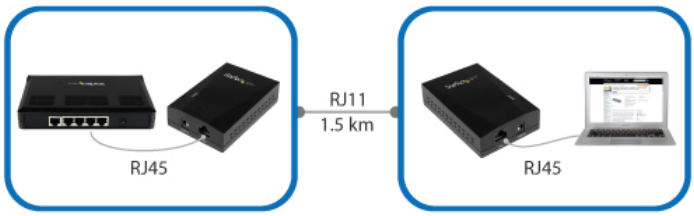
VDSL2 Ethernet Extender Kit Over Single-Pair Wire - 10/100Mbps - 1.5km

Product ID: 110VDSLEXT2



The StarTech.com VDSL2 Ethernet extender kit lets you connect a remote network segment or device to your network, using RJ11 phone cable.

The network extender is a simple, reliable, and cost-effective solution for spanning your network across long distances. While maintaining high speeds, the extender also safeguards your investments by providing surge and ESD protection to your connected device.



Connects equipment over longer distances

The VDSL2 extender reduces the hassle of networking your devices or workstations by overcoming the 330ft (100m) distance limitations of common CATx Ethernet cable. Now you can connect equipment at longer distances using existing RJ11 cable while still retaining 10/100Mbps fast-Ethernet speeds.

Perfect for connecting isolated terminals, kiosks, or server rooms using single pair copper wire such as telephone cable, the extender kit lets you transmit and receive data at distances up to 5000ft (1500m) at 17Mbps, or 1000ft (300m) at 100Mbps throughput.

Cost-effective, reliable, and convenient

This handy extender helps you network separate buildings at the same location, and saves you money. Using legacy plain old telephone service (POTS), you can deliver network access across an existing phone line infrastructure, which is perfect for older buildings.

Alternatively, you can couple the extender with a single point-to-point RJ11 cable, giving you more options for providing network connections in situations where standard CATx wired or wireless access is unavailable or unreliable.

All-in-one solution that’s easy to use

A true out-of-the-box solution, the extender kit includes interchangeable transmitter and receiver units that are completely customizable using the integrated DIP switches. Setup is fast and you can be up and running with no software or driver installation required.

The 110VDSLEXT2 also features compact housing that’s perfect for desktop or wall-mount applications, and is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant Available

Applications

- Connect users or network segments in isolated areas of a large complex or separate buildings
- Perfect for stone, concrete, and heritage buildings where network connectivity is typically unavailable
- Extend network access or connect IP cameras and WiFi access points in remote areas of a stadium, auditorium, or campus

Features

- Reduce additional expenses using your existing phone line infrastructure or RJ11 cable
- Convenient point-to-point extension over longer distances than standard 10/100Mbps Ethernet cable
- Protects your connected equipment with 8kV air and 4kV contact ESD and surge protection
- Compact desktop design with wall-mount support
- Simple plug-and-play setup
- Supports auto-MDIX, Auto-Negotiation, full-duplex operation, and VLAN tagging

	Warranty	2 Years
Hardware	Chipset ID	Metanoia - MT2301GL-A1 Metanoia - MT3301GN-A3
	Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX
		VDSL2 ITU-T G.993.2, VDSL ITU-T G.993.1, and VDSL2/VDSL ITU-T G.997.1 compliant
		IEEE 802.3x Full Duplex Flow Control, IEEE 802.1Q VLAN Tagging
	Ports	1
	Regulatory Approvals	EN61000-4-5 2KV EN61000-4-2 - Contact +/- 4KV, Air +/- 8KV
Performance	Auto MDIX	Yes
	Auto-Negotiation	Yes
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	Max Distance	1.5 km (0.9 mi)
	Maximum Data Transfer Rate	200 Mbps - Full-Duplex
	MTBF	22,500 hours
	VLAN Tagging	Yes
Connector(s)	Local Unit Connectors	1 - RJ-45 Female
		1 - RJ-11 Female
	Remote Unit Connectors	1 - RJ-45 Female
		1 - RJ-11 Female
Indicators	LED Indicators	1 - Power
		1 - Ethernet
		1 - VDSL
Power	Center Tip Polarity	Positive
	Input Current	0.2 A
	Input Voltage	100 ~ 240 AC
	Output Current	1.0 A
	Output Voltage	5 DC
	Plug Type	N
	Power Consumption (In Watts)	3

	Power Source	2 AC Adapters Included
Environmental	Humidity	10~90% RH (Non-Condensing)
	Operating Temperature	0°C to 40°C (32°F to 104°F)
	Storage Temperature	-20°C to 65°C (-4°F to 149°F)
Physical Characteristics	Color	Black
	Enclosure Type	Plastic
	Product Height	1.3 in [33 mm]
	Product Length	4 in [102 mm]
	Product Weight	3.2 oz [90 g]
	Product Width	2.6 in [67 mm]
Packaging Information	Shipping (Package) Weight	22.6 oz [640 g]
What's in the Box	Included in Package	1 - Ethernet VDSL2 - Transmitter
		1 - Ethernet VDSL2 - Receiver
		2 - RJ45 Cables
		2 - Wall-mount Screws and Anchors
		8 - Rubber Feet
		2 - Universal Power Adapter (NA/JP, ANZ)
		1 - Instruction Manual

Product appearance and specifications are subject to change without notice.