

VDSL Ethernet LAN Extender

4-Port 10/100Mbps VDSL2 Ethernet Extender Kit over Single Pair Wire



FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antenna.
- · Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- · Consult the dealer or an experienced radio/TV technician for help.

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Introduction

The 410VDSLEXT 10/100 4 Port VDSL2 Ethernet Extender Kit over Single Pair Wire lets you span a 10/100 network over long distances (up to 1km) to multiple users or network segments while maintaining high-speed network connectivity.

With the ability to run the connection over new or existing RJ45 cabling, RJ11 phone lines, or any other type of single pair wire, the 4 port VDSL2 kit provides a simple to install, ready out-of-the-box solution that includes both the Ethernet-VDSL2 extender and receiver units.

Perfect for connecting isolated user stations within a building or between separate buildings, or overcoming infrastructure obstacles (e.g. older stone/concrete architecture) where new wiring or wireless may be impossible. This LAN extender kit helps to eliminate expense by allowing video streaming and data to share the same telephone pair without interference.

Packaging Contents

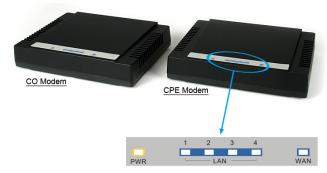
- 2 x VDSL2 Extender Unit (CO/CPE Modem)
- 1 x BJ11 cable
- 1 x RJ45 cable
- · 2 x Power Adapter
- 1 x Software CD

System Requirements

- 10/100 Mbps Ethernet network
- Available AC electrical outlets

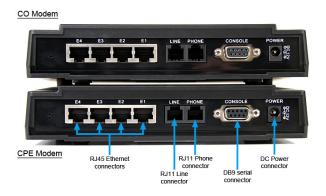


Front View



LED Indicators

Rear View





Installation

Hardware Installation

- Place each VDSL Extender unit at their respective end-point locations. Make sure an AC electrical outlet is located nearby.
- Connect the included power adapters to the pair of VDSL Extender units. The Power LED should light up solid.
- 3. Connect the "Line" RJ11 connector on the VDSL Extender units either directly together with patch cabling, or to a buildings existing analog telephone wiring. If the two units are able to successfully communicate with each other, the "WAN" LED should light up solid.

OPTIONAL: If the telephone wiring is also used for POTS telephone service, then a telephone may be connected to the "Phone" RJ11 connector on the VDSL Extender units.

 Connect each computer, or Ethernet networking device to an available RJ45 connector on the VDSL Extender units. The respective LAN LED should light up to indicate a successful physical connection.

Driver Installation

No driver or software installation is required.

Configuration

Web Interface

Each of the VDSL Extender units have a built-in web interface, for configuring the router settings (WAN and LAN ports), if necessary. The interface can be access via their IP addresses (**CO Modem: 192.168.16.249, CPE Modem: 192.168.16.250**). The default password is: admin

The main menu screen on the CPE Modem has two options: "Setup Wizard" for quick setup, and "Advanced Setup" for a more customized configuration. The CO Modem only has "Advanced Setup" options.



Setup Wizard (CPE Modem only)

The Setup Wizard allows for quick and easy configuration of the most common settings (WAN) for the VDSL Extender.



Advanced Menu

System

This section allows for general configuration/administration of the VDSL Extender unit.





Status				
You can use the Status	screen to see the connection status for the Moderns' WANILAN interfaces, firmware and hardware version numbers, and the number of connected clients to your ne	twork.		
INTERNET				
	0000 0000 0000 0000 0000			
Connection Type	TIACO			
Subnet Mask DHCP Server Firewall INFORMATION	192 108 10 249 252 252 255 0 Distable Distable			
Connected Clients	0 n 2.4.20_mx/31-ADM5120 #1458 Thu Apr 15 20:17:17 CST 2010			
LAN MAC Address WAN MAC Address Hardware Version	00.05.6E:00.82.26			
System	m Time			
Connecting to a Simple Network Time Protocol (SNTP) server allows the Modern to synchronize the system clock to the global Internet. Set Time Zone (GMT) Greenwich Mean Time Oublin Edinburgh Liabon, London.				
Current	System Time Thu Jan 1 00:15:27 GMT 1970			
System	Date and Time Settings			
-	connect to a SNTP server to allows the Modem to synchronize the system clock to the global Internet. You can setup system time.			
Current S	ystem Time Thu Jan 1 00:15:30 GMT 1970			
Month	(Month setup, 01~12)			
Date	(Date setup, 01~31)			
Hour	(Hour setup, 01~24)			
Minute	(Minute setup, 01-60)			
Year	(Year setup, 1970~2037)			
Reboot Modem If the event that the modem story decision. The reboot will be	ops responding correctly or in some way stops factioning, you can perform a reboot. Your settings will not be changed. To perform the reboot, clock on the "Reboot" button below. You will be selected or complete when the power light stops belong. [Reboot]	to confirm		
Rese	et System Modem			
Reset System to default configuration.				
	Reset			



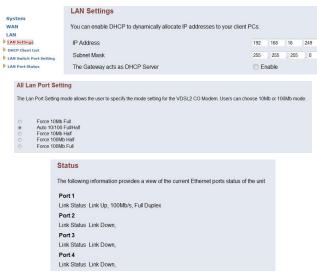
WAN

This section can configure how the built-in VDSL Modem connects to a DSL Internet Service Provider (ISP) through the "Line" RJ11 connector. The modem supports Dynamic IP, Static IP and PPPoE modes.



LAN

The LAN section is used to configure the IP address and DHCP server on the RJ45 Ethernet side of the VDSL Extender unit. By default the DHCP server is not enabled.





NAT

This section is used to configure the advanced features on the Ethernet side of the VDSL Extender unit. This include "Virtual Server", "Port Mapping" and DMZ settings.



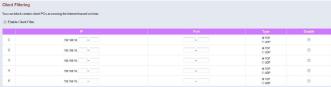




Firewall

This section contains numerous intrusion and access control options.







Route

Allows for creating static routing paths for data transmission.



UPnP

Allows for enabling/disabling UPnP support.

UPnP Settings

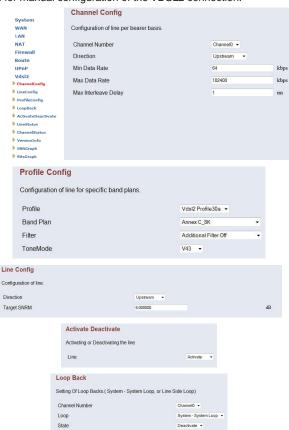
UPnP is an architecture for pervasive peer-to-peer network connectivity of intelligent appliances, wireless devices, and PCs of all from factors. It is designed to bring seasy-to-see, flexible, standards-based connectivity to ad-hoc or unmanaged networks whether in the tome: in a small business public spaces, or attached to the internet. The supports the UPnP internet Catenery Device for home Networking.

Enable UPnP



VDSL2

Allows for manual configuration of the VDSL2 connection.





Specifications

	2 x RJ11 female
External Connectors	4 x RJ45 Ethernet female
(per unit)	1 x DB9 female
	1 x DC Power
	1 x Power
LEDs (per unit)	1 x WAN Link
	4 x LAN Link/Activity
Supported Standards	IEEE 802.3, IEEE 802.3u,
	ITU G.993.2
Maximum Data Transfer Rate	300 m: 100 Mbps
	1 km: 50 Mbps
Auto-MDIX	Yes
Full Duplex Support	Yes
Switching Architecture	Store and Forward
Power Adapter	12VDC, 1250mA, center positive, type M plug
Average Power Consumption (per unit)	< 5 W
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-10°C ~ 70°C (14°F ~ 158°F)
Humidity	10% ~ 90% RH
Dimensions (LxWxH)	184.0mm x 146.0mm x 40.0mm
Weight (per unit)	650g



Technical Support

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This product is backed by a one year warranty.

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