

WIRESPEED™

DMT **ETHERNET** ADSL MODEM



model 36R516

WESTELL *High-performance, standards-based, cost effective ADSL connectivity over ordinary phone lines.*

Westell's *WireSpeed* ADSL Modem uses an existing home or office phone line to provide reliable, high-speed, Internet access for home or office. With the *WireSpeed* ADSL Modem, an existing phone line becomes a dedicated, high-speed connection, eliminating dial-up modems and busy signals from the service provider.

Westell's *WireSpeed* ADSL Modem is capable of downstream data rates of up to 8 Mbps and upstream data rates up to 800 kbps, making the *WireSpeed* ADSL Modem up to 140 times faster than a 56 kbps analog modem. Unlike traditional analog modems, Westell's *WireSpeed* ADSL Modem uses the same phone line for voice/fax communications and high-speed Internet access

simultaneously, eliminating the need for dedicated phone lines for voice and data needs. The *WireSpeed* ADSL Modem is "plug-and-play" and requires no user configuration.

Home or office Installation can be done in two easy steps:

1. Connect to an Ethernet-equipped PC or office LAN
2. Connect to an ADSL -equipped phone line.

The *WireSpeed* ADSL Modem is software upgradeable to capitalize on future technology improvements. Westell's *WireSpeed* ADSL Modem can share the existing phone line by using an optional external POTS splitter or microfilter to separate the voice signal from the data signal.

FEATURES

- Ethernet Bridge Encapsulation per RFC1483
- PPPoE Support
- Self Learning MAC layer bridge
- Logical Link Control/ Subnetwork Access Protocol (LLC/SNAP)
- Software Upgradeable

BENEFITS

- High speed Internet connection, (eliminates the dial-up wait)
- Always-on, quick and easy Internet access
- Single phone line for both voice and data


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www.westell.com

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SPECIFICATIONS

ADSL

- DSL Line Code: Discrete Multi-Tone (DMT) Alcatel interoperable
- DSL Rates: 32 kbps to 8 Mbps downstream and 32 kbps to 800 Kbps upstream
- Power spectral density: -40 dBm/H
- DSL Impedance: 100 Ohms
- DSL Performance: Full rate DMT per ANSI T1.413 and G.992.1, G.lite DMT per G.992.2

Protocol Features

- Bridge Encapsulation per RFC1483
- Logical Link Control/ Subnetwork Access Protocol (LLC/SNAP)
- Software Upgradeable
- PPPoE Support



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Dimensions, Weight, Power, Environmental

- Height: 7.5 in (19cm), Width: 7.78 in (19.76 cm), Depth: 1.9 in (4.82 cm)
- Weight: 2.30 lbs. (1.04 kg)
- Power Supply: 120 VAC ($\pm 10\%$) to 24 VAC External wall mount power supply
- Power Consumption: Less than 10 watts, from 120 VAC
- Ambient Operating Temperature: +32 to +113°F (0 to +45°C)
- Relative Humidity: 5 to 95%, non-condensing
- Absolute Humidity: 1 to 29 g/m³

Indicators

- Power LED: Indicates power status
- Ready LED: Indicates power-up diagnostics and ADSL line synchronization
- Link LED: Indicates the 10Base T connection between the ADSL modem and the PC/LAN
- Activity LED: Indicates presence of Ethernet data activity on the PC/LAN

Connectors:

- Power: MINI-DIN connector
- DSL/LINE: 6-pin modular jack RJ11
- PC Connection: 10Base T Ethernet 8-pin modular jack, RJ 45

Compliance

- EMC /EMI:
FCC Part 15, Subpart B, Class B
EN 55022, Class B
EN 50082-1
- Safety
UL 1950, 3rd Edition, cUL and EN 60950
- Regulatory Approval
CE (Europe) complies with 1997 CE requirements and CSA (Canada), UL (US)

(* POTS = Plain Old Telephone Service)



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