

WIRESPEED®

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

Westell's WIRESPEED ADSL Modem is capable of downstream data at rates of up to 8.0 Mbps and upstream rates up to 800 kbps, making the WIRESPEED ADSL Modem up to 200 times faster than a 33.6 kbps analog modem. Unlike traditional analog modems, Westell's WIRESPEED ADSL Modem allows you to use 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.*



New applications/upgrades, such as routing functions, can be downloaded to the WIRESPEED ADSL Modem, transforming the modem from a Ethernet bridging device to an ADSL Router for multiple (PPP) Point-to-Point Protocol destinations and users, without the need for new, expensive hardware.

Westell's WIRESPEED ADSL Modem can share the existing phone line by using an optional external POTS splitter (Westell Model 36PR100, or equivalent) to separate the voice signal from the data signal.



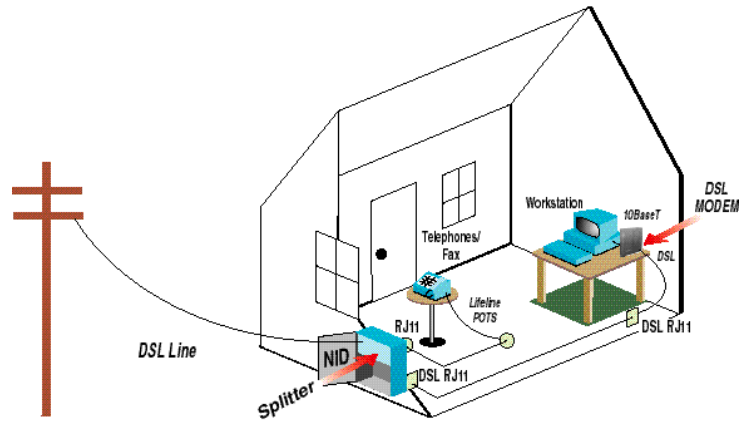
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FEATURES

- Ethernet Bridge Encapsulation per RFC1483
- Self Learning MAC layer bridge (capable of learning up to 4,096 MAC addresses)
- ADSL link (service provider connection) supports AAL5 encapsulated ATM
- Logical Link Control/ Subnetwork Access Protocol (LLC/SNAP)
- Broadcast/multicast filtering support
- Software Upgradeable
- PPPoE Support

OPTIONS

- Router software application upgrades to convert the WIRESPEED modem from a transparent bridge device to Point-to-Point Protocol (PPP) Proxy router. The various software applications are listed below:
 - Personal Router Plus, Supports one PPP connection at a time, with a maximum of 16 computers sharing the connection.
 - Small/Medium Size Enterprise (S/ME) Router, Supports up to 8 PPP connections with a maximum of 8 computers/users per connection for a total of 64 computers/users.



36R516 SPECIFICATIONS

ADSL:

DSL Line Code: Discrete Multi-Tone (DMT) Alcatel interoperable

DSL Rates: 32 kbps to 8.00 Mbps downstream and 32 kbps to 640 Kbps upstream

DSL Upstream Transmit Power: 12.5 dBm, typical

DSL Impedance: 100 Ohms

DSL Performance: per Category 1 in ANSI T1.413

Dimensions: Height – 7.5 in (19 cm)
Width – 7.78 in (19.76 cm) Depth – 1.9 in (4.82 cm)

Weight: 2.30 lbs. (1.04 kg)

Environmental:

Ambient Operating Temperature:

+32 to +104°F

(0 to +40°C)

Relative Humidity: 5 to 95%, non-condensing

Absolute Humidity: 1 to 29 g/m³

Power Supply: 110 VAC (±10%) to 24 VAC wall mount power supply

Power Consumption: 10 watts, typical from 110 VAC

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 (8-pin modular jack, RJ11 compatible)

10BaseT Ethernet (8-pin modular jack, RJ45)

Compliance:

EMC/EMI: FCC Part 15, Subpart B, Class B; EN55022, Class B; EN50082-1

Safety: UL 1950, 3rd Edition, cUL and EN60950

Regulatory Approval:

CE (Europe) – complies with 1997 CE requirements and CSA (Canada), UL (US)

(*POTS = Plain Old Telephone Service)



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