



INTELLINET
NETWORK SOLUTIONS

BRINGING NETWORKS TO LIFE



ADSL2+ High Speed Internet Router

This new ADSL2+ High Speed Internet Router provides you with Internet access that is faster than ever before!

Model
522625

The new ADSL standard, ADSL2+ (G.992.5), offers significant advantages over the standard version of ADSL (asymmetric digital subscriber line) by boosting performance, improving interoperability and supporting new applications.

The INTELLINET NETWORK SOLUTIONS ADSL2+ High Speed Internet Router is an all-in-one modem, router, firewall and Fast Ethernet 4-Port Switch, including a USB port for additional connectivity, that allows you to access the Internet and download music, play interactive games online or surf the Web at double the speed* previously available through ADSL2.

Better Rate and Reach

Improved modulation efficiency reduces framing overhead, achieves higher coding gain, improves the initialization time, and provides enhanced signal processing algorithms. ADSL2 increases downstream data rates to more than 12 Mbps as compared to between 8 Mbps and 10 Mbps for original ADSL. ADSL2 extends the reach by approximately 600 feet. The ADSL2+ standard doubles the maximum frequency used for downstream data transmission from 1.1 MHz to 2.2 MHz. What all this means to you is that the new ADSL2+ High Speed Internet Router effectively provides downstream data rates of 24 Mbps on standard copper phone lines as long as 5,000 feet.*

Diagnostics

Real-time performance-monitoring capabilities provide information regarding line quality and noise conditions at both ends of the line. Service providers can use the data to monitor the quality of your ADSL connection and prevent service failures, and to keep your connection up and running without disruption. Providers can also use the data to determine if you qualify for higher data-rate services.

Improved Interoperability

Modem initialization procedures are clarified, which improves interoperability and provides better performance when connecting ADSL transceivers from different chip suppliers.

Fast Startup

A fast startup mode reduces initialization time from about 10 seconds to less than 3 seconds.

Enhanced Voice Support

An optional digital mode allows for transmission of data in the POTS (plain old telephone service) portion of the phone line. This adds 256 Kbps to the upstream data rate, which can be an attractive option for businesses that have voice services on different phone lines and value the additional upstream bandwidth. In addition to this, ADSL2's channelization capability provides support for Channelized Voice over DSL (CVoDSL), a method to transport derived lines of TDM voice traffic transparently over DSL.

Lifetime Warranty

Strict manufacturing standards ensure the highest quality in all INTELLINET NETWORK SOLUTIONS products. All items carry a full Lifetime Warranty — the strongest quality commitment anyone can make.



* ADSL performance may vary depending on operating environment and distance between networked devices.



LIFETIME WARRANTY

Model 522625

Features

- Built-in ADSL2+ modem
- Supports 24 Mbps ADSL2+ downstream data rate
- Includes 4 10/100 Fast Ethernet LAN ports
- Includes USB port for additional computer connection
- Built-in firewall for network security
- Web-based configuration
- DHCP server/client/relay
- Universal Plug and Play (UPnP) compliant
- NAT/NAPT/Dynamic NAPT
- Dynamic Domain Name System (DDNS)
- Virtual server and DMZ
- ZIPB (Zero installation and PPP Bridge Mode)
- Static IP routing and RIP 1/2
- DNS proxy/server
- Bridge filtering/IP filtering
- IGMP proxy
- PPP Half-bridge
- PPP reconnect on WAN access
- Lifetime Warranty

Specifications

ADSL STANDARDS

- ADSL2 (ITU-T G.992.3) up to 12 Mbps
- ADSL2+ (ITU-T G.992.5) up to 24 Mbps
- Full Rate G.DMT (ITU-T G.992.1) and T1.413 Issue 2 ADSL: up to 8 Mbps downstream and up to 1 Mbps upstream.
- G.lite (ITU-T G.992.2) ADSL: up to 1.5 Mbps downstream and up to 512 kbps upstream.
- DSL Handshaking (ITU-T G.994.1)
- RFC 2364 – PPP over ATM
- RFC 2516 – PPP over Ethernet (Client)
- RFC 1577 – Classical IP over ATM
- RFC 1483 – Bridged/Routed IP over ATM
- 8 PVCs (simultaneous and encapsulation independent)
- VPI/VCI range: 0 – 255 / 0 – 65536
- Encapsulation hunting of up to 8 predefined VPI/VCI & encapsulation sets
- AAAL5 UBR & CBR
- OAM F4/F5
- Maximum downstream speed: 24 Mbps
- Maximum upstream speed: 1 Mbps

PORTS & CONNECTORS

- One RJ-11 port (for ADSL line)
- Four RJ-45 ports
- One USB port
- One power jack

LEDS

- PWR: solid when power is on
- ADSL: solid when successfully connected to an ADSL DSLAM; blinking during ADSL handshaking
- LAN 1 – 4: solid when connected to an Ethernet device; blinking when data is being transmitted/received.
- Reset button

PHYSICAL SPECIFICATIONS

- Dimensions: 165 W x 118 D x 27 H mm (6.49 x 4.64 x 1.06 in.)
- Weight: 240 g (8.47 oz.)
- Temperature: 0 – 60° C (32 – 140° F)
- Humidity: max. 95% (noncondensing)

SYSTEM REQUIREMENTS

- USB Port: Windows 98SE/Me/2000/XP

PACKAGE CONTENTS

- ADSL2+ High Speed Internet Router
- Quick Installation Guide
- Setup CD and user manual
- Power adapter
- RJ-45 Ethernet cable (6 ft./1.82 m)
- Telephone cable (5 ft./1.51 m)

For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit www.intellinet-network.com.


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