

SpeedStream®



SpeedStream® DSL Routers – Ethernet and Ethernet/USB

The Secure Broadband SOHO Solutions

5100, 5200

SpeedStream® DSL Routers bring network security and connection flexibility to small offices or home offices (SOHO) needing to share DSL access. Available models offer users the flexibility of connecting with convenient Ethernet or using effortless, plug-and-play USB. This maximizes both provider deployment options and end-user value.

SpeedStream® DSL Routers have full-featured Web-based management and diagnostic tools, making support a snap. Their comprehensive routing features include: support for Network Address Port Translation (NAPT); Dynamic Host Configuration Protocol (DHCP); and Domain Name Server (DNS) relay.

Both models comply with ADSL2, ADSL2+ and RE-ADSL standards, offering providers enhanced performance and greater ability to reach subscribers.

*Support for ADSL2, ADSL2+, and RE-ADSL standards with streamlined deployment and interface flexibility make the SpeedStream® DSL Modems the perfect solution for residential CPE deployments.

Features

- > **Corporate-Class Security** – ICSA-compliant Stateful Inspection Firewall with Denial of Service (DoS) protection provides advanced security for Internet connections by preventing unauthorized access and shielding against outside attack. A choice of pre-defined or fully custom settings, make online security a reality – even without an IT staff.
- > **PPPoE Client** – Embedded PPPoE client means no additional PC software is needed for broadband connectivity. An intuitive, web-based graphical user interface (GUI) makes installation effortless. Pre-configured Application Level Gateways (ALGs), support most popular games and applications, making remote interaction a snap.
- > **Extensive Standards Support** – *Compliance to ADSL2, ADSL2+ and RE-ADSL offer providers the ability to extend their reach to subscribers with greater performance.

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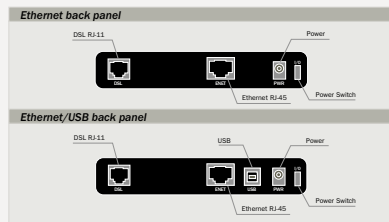


*Available with certain firmware versions.

Features and Benefits

- Configurable ICSA-compliant Stateful Inspection Firewall with Denial of Service (DoS) protection, provides secure communication and Internet access
- Enables multiple LAN devices to share a PPPoE session
- Web-based management and diagnostics, along with Web-based (HTTP) configuration of PPPoE parameters enables easy deployment
- Concurrent NAT and NAPT
- Available models provide the flexibility of connecting PCs via Ethernet or both USB and Ethernet
- 10/100 Ethernet provides full-rate LAN performance
- Up to 24 Mbps downstream and 1.5 Mbps upstream provides true broadband experience for subscribers
- Support for G.lite and full-rate ADSL, ADSL2, ADSL2+ and RE-ADSL ensure compatibility with most DSL networks
- Ethernet/USB combo model features simultaneous Ethernet and USB connectivity, allowing two PCs with discrete IP addresses or PPPoE clients to share a DSL line
- Ethernet/USB combo model is WHQL (Windows Hardware Quality Labs) certified, ensuring plug-and-play USB installation on any PC running Windows® 2000, Me, or XP

*Actual data rates may vary



Technical Specifications

Routing

- RFC 2364 Point-to-Point Protocol (PPP) over ATM PVCs
- RFC 2516 Point-to-Point Protocol (PPP) over Ethernet
- RFC 2684 (formerly 1483) Bridged Ethernet encapsulation
- RFC 2225 (formerly 1577) Classical IP over ATM
- PPPoE Relay/Bridging
- Network Address Translation (NAT)
- Network Address Port Translation (NAPT)
- DHCP server and DNS relay agent
- PAP or CHAP Auto-detection
- TCP/IP with RIP1 and RIP2 or static routing on the LAN and/or WAN

Bridging

- RFC 2684 (formerly 1483) Bridged Ethernet over ATM PVCs
- IEEE 802.1d transparent, learning bridge
- Dynamic learning of up to 255 addresses
- Spanning Tree Algorithm

AAL and ATM Support

- Precise Peak Cell Rate traffic shaping on a per-VCC basis,
- Up to 8 active VCCs across VPI 0-255,
- VCI 0-65535 address range
- ATM Forum UNI3.1/4.0 PVC
- ATM Traffic class: UBR, CBR, VBRnt, VBRrt
- OAM F4/F5

Management

- Web-based graphical user interface
- Instant operation from an operator-defined service profile
- Intuitive Command Line Interface (CLI)
- Telnet
- SNMP v1
- TR-064 support
- TR-069 support

Security

- PAP (RFC 1334), CHAP (RFC 1994), MS-CHAP
- Password Authentication
- Access Control list
- Stateful Inspection Firewall with Denial of Service (DoS) Protection
- Pre-configured firewall levels for ease of use with "Custom" level for advanced users
- Filter on source and/or destination IP address
- Filter on transport protocol and/or port number.
- Firewall logging with Network Time Protocol support and Syslog support
- DMZ support and Firewall "Snooze" feature
- Graphical User Interface

Diagnostics

- Comprehensive hardware diagnostics
- Comprehensive Ethernet, ATM, and ADSL statistics

Media Interface

- RJ-11 ADSL connection
- 10/100 Base-T RJ-45 Ethernet connection
- Auto-MDI/X
- Standard USB connection (Ethernet/USB combo model only)

Visual LED indicators

- Power, ADSL, Ethernet,
- USB (Ethernet/USB combo model only)

Power

- External Power Supply
Input: 120VAC, 300mA, 60Hz
Output: 12V/1A

Standards Compliance

- IEEE 802.1d, 802.3, and 802.3u
- ADSL: G.DMT, G.LITE, ANSI T1.413 Issue 2, ADSL2, ADSL2+, RE-ADSL
- USB 1.1 (model 5200)

Certifications

- FCC Par 15, Class B
- FCC Par 68
- CE certification
- UL listed
- CSA
- CS-03
- Industry Canada Mark
- WHQL (Ethernet/USB combo model only with Windows® 2000, Me, or XP)

Warranty

- 1 year parts and labor for hardware
- Additional year available with product registration

System Support/Minimum

Requirements

- Ethernet Installation
- Ethernet NIC
- Operating system that supports TCP/IP over Ethernet

USB Installation

(Ethernet/USB combo model only)

- Windows® 98, 98SE, 2000, Me, or XP
- Pentium® processor 166MHz or faster
- 32 MB RAM
- 12 MB free disk space
- Free USB 1.1 or higher port

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