

SpeedStream®



SpeedStream® Multi-port Router

Compact DSL home networking solution

5450

>One-Box Solution

A built-in 4-port, 10/100 switch means everything's included to configure a DSL connection into an advanced residential/SOHO network. Each port features full duplex data transfer and independent, dedicated 10/100 bandwidth for enhanced network performance.

>Configuration Wizards

Gateway wizards guide users step-by-step through initial setup and user profile configurations, making the home or SOHO network setup simple and effortless minimizing support requirements.

>Multi-User Profiles

Through the use of individual user profiles for every user in the home, providers are able to market multiple services to fit each user's personal needs and interests.

>Parental Controls

Allow subscribers to protect their family from Internet dangers using parental control features such as site access and time-of-day controls in addition to monitoring and logging capabilities.

The SpeedStream® Multi-port Router combines a DSL modem, full featured routing, and a fast, 4-port switch to provide secure broadband networking with single device simplicity.

*Support for ADSL2, ADSL2+, and RE-ADSL technology means the SpeedStream® Multi-port Router provides greater speeds (up to 24 Mbps downstream and 1 Mbps upstream) and extended subscriber reach.

The ControlNet™ user interface makes setup and operation simple and enjoyable. Intuitive, icon-based navigation, makes using the router simple for all users in the home or SOHO.

ControlNet™ includes a fully customizable interface which enables promotion and branding of broadband services with provider logos, colors and marketing messages. Brandability provides greater service provider presence with subscribers and helps combat churn.

*Available with certain firmware versions.

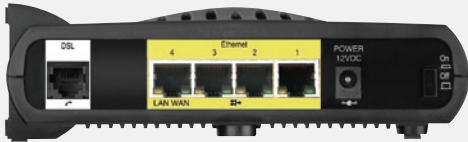
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Features and Benefits

- Four 10/100 switched ports – Connect multiple PCs to securely share a broadband DSL modem connection
- Provides the flexibility of connecting PCs via Ethernet
- One Ethernet port may be configured as a WAN interface to support a two-box solution
- 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/PPPoA session
- User-friendly wizards enable effortless subscriber configuration
- Web-based management and diagnostics, along with Web-based (HTTP) configuration of PPPoE parameters enables easy deployment
- Concurrent NAT and NAPT
- Support for G.lite and full-rate ADSL, ADSL2, ADSL2+, and RE-ADSL ensure compatibility with most DSL networks
- UPnP IGD insures seamless integration into Windows® XP environments
- Enhanced online gaming features such as DMZ and Firewall “Snooze”

Model 5450 - back panel



Technical Specifications

Routing

- RFC 2364 Point-to-Point Protocol over ATM (PPPoA) PVCs
- RFC 2516 Point-to-Point Protocol over Ethernet (PPPoE)
- 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/client/relay and DNS relay agent
- Configurable PAP and CHAP authentication
- TCP/IP with RIP1 and RIP2 or static routing on the LAN and/or WAN
- Dynamic DNS support
- IP QoS

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, UBR+, CBR, VBRnrt, VBRrt
- OAM F5

Management

- Web-based graphical user interface
- Instant operation from an operator-defined service profile
- Intuitive Command Line Interface (CLI)
- Telnet/FTP
- SNMP v1
- UPnP IGD-NAT traversal support
- Architectural support for TR-064 and TR-069
- XML Management Scheme, DSL Forum 2002-281
- User profile wizard
- WAN interface configuration wizard

Security

- PAP (RFC 1334), CHAP (RFC 1994)
- Password Authentication
- 3-level 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
- Content filtering
- ICSA compliancy mode

Diagnostics

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

Media Interface

- RJ-11 ADSL connection
- Four RJ-45 10/100 Switched Ethernet ports with Auto MDI/MDIX support

Visual LED indicators

- Power, Link, and Activity indicators for ADSL and Ethernet

Power*

- External Power Supply:
Input: 120VAC, 800mA, 60Hz or 230VAC/50Hz
Output: 12V/1A

Standards Compliance

- IEEE 802.1d, 802.3, and 802.3u
- ADSL: G.dmt, G.lite, G.dmt.bis, ANSI T1.413 Issue 2 ADSL2, ADSL2+, RE-ADSL

Certifications

- FCC Part 15, Class B; FCC Part 68; CE certification; UL listed; CSA; CS-03;
- Industry Canada Mark

Warranty

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

System Support/ Minimum Requirements

Ethernet Installation

- 10 Base-T Ethernet NIC
- Operating system that supports TCP/IP over Ethernet

* Only available for certain countries

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