

SpeedStream®



SpeedStream® 6300 Wireless DSL Gateway

Combined wireless DSL and home networking solution

>Wireless Freedom

Seamless, standards-based wireless networking interoperates with other 802.11g or 802.11b compliant networks and devices. Available PCMCIA and USB interfaces accommodate virtually any PC. Built-in, 5 port, 10/100 Ethernet switch easily integrates existing network devices.

>Configuration Wizards

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

>Multi-user Profiles

Personalize individual broadband experiences by creating a custom profile for every user in the home or SOHO. Use the administrative profile to prevent unwanted configuration changes to the gateway.

>Parental Controls

Allow users to protect their family from Internet dangers using parental controls. Users may specify the type of sites allowed or denied to individual users through content filtering. Time-of-day controls limit Internet access to specific time periods. Monitoring and logging features enable parents to track their children's Internet activities by reporting sites visited and denied.

User-Friendly, Customizable Interface

The SpeedStream Wireless DSL Gateway expands the parameters/capabilities of broadband access by offering a flexible, full feature gateway combined with ControlNet which provides unprecedented control of internet access. ControlNet enables personalized customer services through parental controls, multi-user profiles and monitoring.

The ControlNet user interface makes setup and use simple and enjoyable. Icon driven navigation makes using the gateway intuitive for all users in the home or SOHO.

The fully customizable interface empowers service providers to promote and brand their broadband services with images, colors and marketing messages.

The SpeedStream Wireless DSL Gateway is the service provider's next step in enhancing market visibility and building the bottom line.

SIEMENS

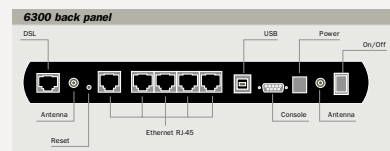
Global network of innovation



Features and Benefits

- Five 10/100 Switched Ports—Connect multiple PCs to securely share a broadband DSL modem connection
- Provides the flexibility of connecting PCs via Ethernet or USB
- One Ethernet port may be configured as a WAN interface for a two-box solution
- Integrated 802.11g/802.11b wireless interface for up to 54Mbps/11Mbps max. data rates*
- Strong WPA/WEP encryption for wireless security
- 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
- User-friendly wizards enable effortless configuration
- Web-based management and diagnostics, along with Web-based (HTTP) configuration of PPPoE parameters enables easy deployment
- Concurrent NAT and NAPT
- 10/100 Ethernet provides full-rate LAN performance
- Up to 8 Mbps downstream and 1 Mbps upstream ADSL provides true broadband experience
- Support for G.lite and full-rate ADSL ensures compatibility with most DSL networks
- UPnP IGD insures seamless integration into Windows XP environments
- WHQL (Windows Hardware Quality Labs) certified, insuring plug-and-play USB installation on any PC running Windows® 2000, Me, or XP
- Mac OS 8.6 through 10.3 USB support
- Enhanced online gaming features such as DMZ and Firewall “Snooze”
- Peace of mind through parental controls such as individual user profiles and content filtering

*Actual data rates may vary



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 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, 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 console
- SNMP v1
- UPnP IGD-NAT traversal support
- XML Management Scheme, DSL Forum 2002-281
- User profile wizard
- WAN interface configuration wizard

Wireless

- Dual-mode 802.11g/802.11b radio
- 64/128 bit WEP engine
- Wireless client filtering and SSID broadcast disable
- Removable antennae allow for upgrade to more sensitive/powerful models

Security

- PAP (RFC 1334), CHAP (RFC 1994)
- 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
- Content filtering
- WPA/WEP wireless encryption
- ICSA compliancy mode

Diagnostics

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

Media Interface

- RJ-11 ADSL connection
- (5) 10/100 Switched Ethernet ports with Auto MDI/MDIX support (4 LAN, 1 LAN/WAN)
- Standard USB connection
- DB-9 RS-232 serial console port
- Support for optional 802.11g or 802.11b wireless cards
- 802.11g/802.11b wireless

Visual LED indicators

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

Power

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

Standards Compliance

- IEEE 802.1d, 802.3, and 802.3u
- ADSL: G.dmt, G.lite, ANSI T1.413 Issue 2
- USB 1.1
- 802.11g/802.11b

Certifications

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

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

- Windows 98, 98SE, 2000, Me, or XP
- Mac OS 8.6-10.3
- Pentium processor 166 MHz or faster
- 32 Mb RAM
- 10 Mb free disk space
- Free USB 1.1 or higher port

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