

## Business Class DSL Routers



### **Versatile**

SpeedStream Business Class DSL Routers support ADSL, SDSL, and IDSL — and all three versions share the same routing code, so management is simple.

### **Secure**

SpeedStream Business Class DSL Routers include bridging support, network address translation (NAT/NAPT), dynamic host configuration protocol (DHCP), built-in IP-filtering firewall with scripting and optional Secure VPN.

### **Scalable**

As the corporate network grows, the SpeedStream Business Class DSL Router grows with it — supporting multiple subnets and up to 100 or more users.

*The Efficient Networks® DSL solution for up to 100 or more users with robust firewall and optional Secure VPN*

SpeedStream Business Class DSL Routers provide DSL access for up to 100 or more users with robust firewall and optional Secure Virtual Private Network (VPN) capabilities.

With these features, it is no wonder that SpeedStream Business Class DSL Routers are some of the most widely deployed today. The SpeedStream 5851 is the number one selling SDSL customer premises equipment (CPE) in the world.\*

Providing broadband access, best-of-class routing, and advanced security features to small and medium businesses, SpeedStream Business Class DSL Routers are the complete DSL solution.

Versatile, secure, and scalable — get a SpeedStream Business Class DSL Router and expand your DSL capabilities today!

\*According to Dataquest, Dell Oro Group, and Cahners In-Stat.

**Efficient Business Class routers —  
the perfect solution to connect  
the remote or branch office  
to lightning-fast Internet access  
or remote connection  
to a corporate network.**



### Features

- Easy installation and set-up
- Built-in firewall and optional VPN
- Supports a wide range of high bandwidth applications
- Assigns and manages LAN IP addresses

### Benefits

- Multi-user internet access is a snap
- Protect data transfer across the Internet and prevent unwanted visitors from accessing your LAN
- “Always On” connectivity
- Efficient NAT allows multiple devices on your network to share a single WAN IP address

For more information about any of Efficient Networks products visit:  
[www.efficient.com](http://www.efficient.com)

© 2000 Efficient Networks, Inc. All rights reserved. Efficient Networks, Inc., Efficient Networks, and SpeedStream are registered trademarks and its logos are trademarks of Efficient Networks, Inc. All other trademarks are held by their respective companies. Efficient Networks reserves the right to make changes to product specifications without notice.  
EFNT Document DS-5800 Rev.b, [07/2000]

**Corporate Headquarters:**  
Efficient Networks, Inc.  
4849 Alpha Road  
Dallas, TX 75244  
+1(972) 852-1000  
Fax +1(972) 852-1001  
e-mail: [info@efficient.com](mailto:info@efficient.com)  
[www.efficient.com](http://www.efficient.com)

Efficient Networks Europe B.V.  
Parc Centre  
Boeing Avenue 8  
1119 PB Schiphol-Rihe Netherlands  
+31 (0)20 655 60 60  
Fax +31 (0)20 655 60 65  
e-mail: [europe@efficient.com](mailto:europe@efficient.com)

Efficient Networks Asia Pte Ltd.  
Level # 19-05 Suntec Tower Two  
No. 9 Temasek Boulevard  
Singapore 038989  
+65 3385855  
Fax +65 3385860  
e-mail: [asiapac@efficient.com](mailto:asiapac@efficient.com)



## Business Class DSL Routers

5851 SDSL Router, 5861 ADSL Router, 5871 IDSL Router

### Software Features

#### Routing

- TCP/IP with RIP1 (RFC 1058), RIP1-compatible and RIP2 (RFC 1389) or static routing on the LAN and/or WAN
- Novell® IPX with RIP/SAP (RFC 1552)
- DHCP server (RFC 2131, RFC 2132)
- DHCP relay agent (RFC 1542)
- DNS relay
- DHCP client (RFC 2132)
- Multiple Ethernet Subnets on the LAN supports NAT, RIP, DHCP, ARP and IP filters
- Virtual routes (different routing tables based on the source IP address)

#### PPP (RFC 1661, RFC 2364)

- PPP over Ethernet (RFC2516)
- Data compression of up to 4:1 (STAC™ LZS) (RFC 1974)
- Van Jacobson header compression (RFC 1144)
- Spoofing and filtering (IP-RIP, IPX-RIP, SAP, Watchdog, serialization)
- Automatic IP and DNS assignment (RFC 1877)

#### IP Address Translation

- Network renumbering (RFC 1631)
- Network Address Translation (NAT/PAT)
- NAT supports multiple PPTP clients and one server per IP address
- LAN servers supported with NAT

#### Configuration Management

- Quick Start program for easy setup
- Windows® configuration management via SNMP
- TFTP download/upload of new software, configuration files, and scripts
- Performance monitor
- Dynamic event and history logging
- Administration through SNMP, Telnet, or VT100 terminal
- Network boot uses the BootP server (RFC 2131, RFC 2132)

#### Security

- User authentication (PAP/CHAP) with PPP (RFC 1334, RFC 1994)
- Password control for Configuration Manager
- SNMP community name reassignment
- Telnet/SNMP port reassignment
- Telnet/SNMP access control list
- Firewall (IP filtering: input, forward, and output)

#### Optional Secure VPN Software

- L2TP
- Internet Key Exchange including Aggressive Mode (DES and 3DES)
- IPSec with AH, ESP (DES / 3 DES)
- Implements RFCs 2104, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2412, 2451
- L2TP tunneling via IPSec transport mode

### Hardware Features

#### WAN Interface

- 5851: 2B1Q, SDSL, RJ-45 interface
- 5861: G.lite, DMT, ADSL, RJ-11 interface
- 5871: 2B1Q, IDSL, RJ-45 interface

#### LAN Interface

- 5851: Built-in 4-port Ethernet hub (4 RJ-45s)
- 5861: Built-in 4-port Ethernet hub (4 RJ-45s)
- 5871: Built-in 4-port Ethernet hub (4 RJ-45s)

#### Serial Interface

- One RS-232 asynchronous console port (RJ-45)