

## Wireless ADSL Router

### With SOHO VPN Firewall Security

- Integrated ADSL, 802.11g Wireless LAN & 4-Port Switch
- High-Speed ADSL2/2+ Connection
- Embedded VPN 3DES Accelerator
- DoS & SPI Firewall Protection
- QoS & SNMP Management Support

#### FEATURES

##### Wireless ADSL Router

- Built-in ADSL Interface
- Built-in 802.11g WLAN Up to 54Mbps Speed
- Integrated 4-Port Ethernet Switch

##### High-Speed ADSL Access

- ADSL: G.992.1 G.dmt, G.992.2 G.lite, ANSI T1.413 issue 2 (Full Rate DMT Over Analog POTS) Annex A
- ADSL2: G.992.3 (G.dmt.bis) Annex A
- ADSL2+: G.992.5 Annex A
- G.994.1 G.hs Auto-Negotiation of Different ADSL Flavors

##### Integrated VPN/Firewall Security

- Powerful 3DES Accelerator
- 3DES VPN Throughput Up to 14Mbps
- Firewall Protection With DoS Prevention/SPI
- Parental Control With URL Blocking/Packet Filtering

##### Versatile Functions

- Dynamic Domain Name System (DDNS)
- Traffic Prioritization/Bandwidth Management for QoS Control
- Syslog Monitoring

##### Easy Setup/Flexible Management

- Universal Plug and Play (UPnP) Compliant
- Quick Installation Wizard/Auto-scan ADSL Settings
- Web-Based GUI for Local/Remote Management
- SNMP v.3 Management

The DSL-G804V wireless ADSL router is a versatile, high-speed remote router designed for the small office. With integrated ADSL2/2+ supporting up to 24Mbps download speed, IPSec VPN data encryption, firewall protection, Quality of Service (QoS), 802.11g wireless LAN and 4 Ethernet switch ports, this router provides all the functions that a small business needs to establish a reliable and convenient high-speed remote link to the outside world. This wireless router can be deployed at a branch office for secure connection to a corporate head office over the Internet.

*High-Speed ADSL Connection.* The DSL-G804V features the latest ADSL2/ADSL2+ standards, providing speeds of up to 24Mbps downstream and 1Mbps upstream (ADSL2+), or 12Mbps downstream and 1Mbps upstream (ADSL2). This router auto-senses the connection type and auto-negotiates the best modulation scheme, using the G.hs (handshake) protocol.

*Ready Wireless LAN & Ethernet Connection for Workgroup.* The DSL-G804V provides an integrated 802.11g WLAN supporting wireless speeds of up to 54Mbps and interoperability with 802.11b wireless devices on the 2.4GHz frequency band. It also provides four 10/100Mbps Ethernet switch ports for ready workstations connection. These built-in functions save you the cost and trouble of installing a separate wireless access point and an Ethernet switch.

*Secure Transmission Over the Internet.* With an integrated 3DES accelerator, the DSL-G804V provides hardware-based VPN protection to prevent your confidential data from being accessed and tampered with when traveling along the public Internet to your destinations. Through VPN tunneling protocols, this router privatizes your communication channels. You can safely exchange mail and data with your head office over the Internet, without fear of observation, modification, or spoofing. Supported data encapsulation, encryption and authentication options include DES, 3DES, AES that enable you to carry out applications such as virtual private networks, including Intranets, Extranets, and remote user access.

*Firewall Protection.* In addition to VPN, the router provides integrated firewall security using Stateful Packet Inspection (SPI) and hacker attack logging for Denial of Service (DoS) attack protection. SPI inspects the contents of all incoming packet headers before deciding what packets are allowed to pass through. Access control is provided with packet filtering based on port and source/destination MAC/IP addresses. Parental control is provided through web site blocking using text strings or domain name detection. With Virtual Server Mapping, the router can be set to allow separate FTP, Web, and servers to share the same Internet-visible IP address while still protecting your servers and workstations from hackers. You can configure any of the built-in LAN ports of the router to function as a DMZ port. A DMZ setting can be applied to a single client (such as a Web server) behind the DSL-G804V to fully expose it to the Internet and ensure complete Internet application compatibility even if the specific port is not known. This allows you to set up web sites and e-commerce applications from your office while maintaining protection for the rest of your office LAN.



## Technical Specifications

### Hardware

#### Interfaces

- 1 RJ-11 ADSL port
- 4 RJ-45 10/100BASE-TX Fast Ethernet LAN switch ports with auto MID/MDIX
- Built-in WLAN
- Console port
- Factory reset button

#### Wireless LAN

- IEEE 802.11g standard
- Wireless speed: up to 54Mbps
- Frequency range: 2.4 GHz to 2.484G Hz
- 64/128 bits WEP data encryption
- Wi-Fi Protected Access (WPA) security

### ADSL

#### Standards

- ADSL standards: ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex A, ITU G.992.2 (G.lite) Annex A
- ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex A, ITU G.992.4 (G.lite.bis) Annex A
- ADSL2+ standards: ITU G.992.5 Annex A/L Auto-handshake: ITU G.994.1 (G.hs)

#### Data Rates

- G.dmt: 8Mbps downstream, 832Kbps upstream
- G.lite: 1.5Mbps downstream, 512Kbps upstream
- ADSL2: 12Mbps downstream, 1Mbps upstream
- ADSL2+: 24Mbps downstream, 1Mbps upstream

#### ATM & PPP Protocols

- ATM Adaptation Layer Type 5 (AAL5)
- Multiple Protocols over AAL5 (RFC 2684, formerly RFC 1483)
- Bridged or routed Ethernet encapsulation

- VC and LLC based multiplexing
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)
- Classical IP over ATM (RFC 1577)
- MAC Encapsulated Routing (RFC 1483 MER)
- OAM F4/F5

### Router

#### Network Protocols & Features

- NAT, Static Routing, RIP v.1, v.2
- Universal Plug and Play (UPnP) Compliant
- Dynamic Domain Name System (DDNS)
- Virtual Server & DMZ
- SNTP, DNS relay and IGMP proxy
- POP3 (email account checking)

#### Firewall

- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- DoS attacks prevention (IP Spoofing, Land Attack, Smurf Attack, Ping of Death, TCP SYN flooding)
- Packet filtering based on port, source IP address, destination IP address, MAC address
- URL blocking based on string or domain name detection in URL string

#### Virtual Private Network (VPN)

- Embedded IPSec & PPTP client/server
- IKE key management
- DES, 3DES and AES encryption for IPSec
- Embedded powerful 3DES accelerator
- MPPE Encryption for PPTP
- L2TP within IPSec
- L2TP/PPTP/IPSec pass-through

### Management

- Configuration/Management
- Quick Installation Wizard, Auto-scan ADSL settings
- Web-based GUI for remote/local management
- Firmware upgrade, configuration data upload/download via Web-based GUI
- Telnet server for remote/local management
- Syslog monitoring
- SNMP v.3 support using built-in MIB-I, MIB-II
- DHCP server/client/relay

#### QoS Control

- LAN to WAN traffic prioritization/bandwidth management
- Traffic prioritization/bandwidth management based-on IP protocol, port number, address

## Physical & Environmental

#### Power Input

Through 12VAC 1.2A external power adapter

#### Dimensions

193 x 118 x 31 mm

#### Weight

270 grams

#### Operating Temperature

0° to 40°C

#### Storage Temperature

-20° to 70°C

#### Operating Humidity

20% to 95% non-condensing

#### Emission (EMC/EMI)

- FCC Part 15 Class B
- CE (EN55022/EN55024/EN300 328/EN301 489)

#### Safety

CE LVD (En60950)

