G.SHDSL.bis Business Router

Model 3210 IPLink™ VPN Router

Patton's IPLink™ G.SHDSL.bis VPN Router optimizes and secures information by applying VPN encryption and QoS/CoS traffic management to G.SHDSL.bis-based broadband networks.

G.SHDSL.bis
From 192 kbps to 5.7 Mbps over 2-wire, dry copper networks.

Versatile ATM configurations
Support PPPoE, PPPoA as well as RFC 1384/2684.

Dual 10/100 Ethernet Ports
With Dual 10/100 Ethernet, auto-MDI ports easily connect to the LAN and a DMZ.

Per Flow QoS
Traffic rates are set through ACLs that shape and police in ingress and egress directions.

Stateful Firewall Inspection
Stateful firewall inspection is accomplished through ACLs that filter by source and destination IP address, IP port and protocol.

VLAN Tagging
VLAN tagging and processing is configurable on any PVC channel or Ethernet port.

Easy Management
Easily manage the 3210 router via an HTTP/web interface, a CLI accessible via the VT100 console or through Telnet/SSH.
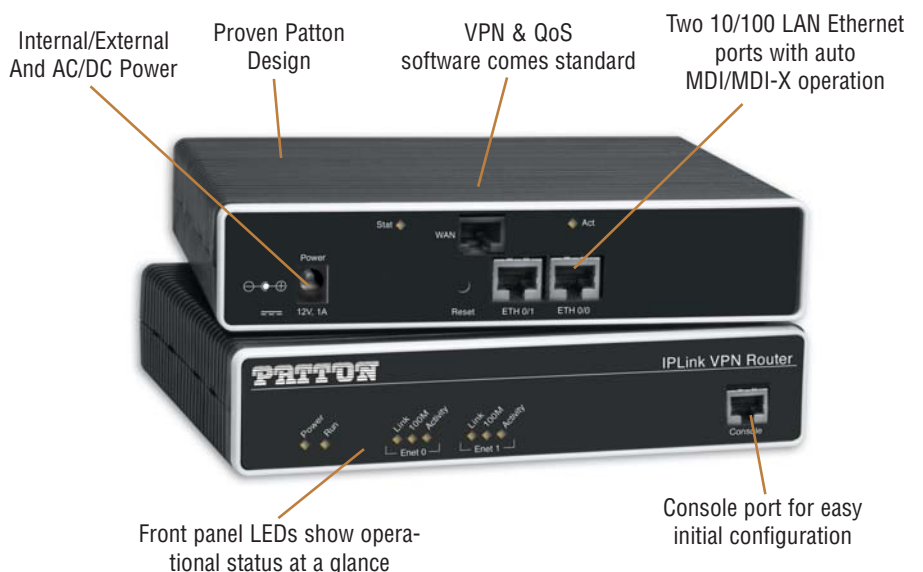
The IPLink™ G.SHDSL.bis VPN Router is a next generation business-class G.SHDSL router that addresses both the security and the traffic prioritization needs of enterprises while providing complete broadband integration with existing DSLAM networks. VPN routers enable the secure communication between remote offices, home offices, and mobile users across insecure IP networks such as the Internet. The 3210 takes it one step further and integrates quality of service (QoS).

IPLink G.SHDSL.bis VPN Routers implement a comprehensive security environment. By supporting ESP as well as AH, IPLink VPN Routers provide data integrity, authentication, anti-replay and data confidentiality to any traffic flow. DES, 3DES, and AES provide standard encryption up to 256 bits. Firewall capabilities of the IPLink VPN Routers include Access Control Lists (ACLs), IP address and port filtering, and protection against Denial of Service (DoS) attacks.

QoS features include ToS/DiffServ marking and the configuration of eight service class tags per IEEE 802.1p/Q. With traffic scheduling and shaping, create dedicated bandwidth guarantees, configurable burst tolerance, and policing to include excess traffic discard. IP fragmentation is configurable to help minimize jitter in traffic flows.

NAT, NAPT, DNS relay, dynDNS, and DHCP server further add to the capabilities of the IPLink G.SHDSL VPN Router. For more information, visit us at www.patton.com.

GET YOUR ADVANCE SHIP 5 YEARS ENHANCED WARRANTY

Special Rates Available Call for Details

Internal/External And AC/DC Power

Proven Patton Design

VPN & QoS software comes standard

Two 10/100 LAN Ethernet ports with auto MDI/MDI-X operation

Front panel LEDs show operational status at a glance

Console port for easy initial configuration

Typical Application

IPLink G.SHDSL.bis VPN Routers are next-generation security appliances that address the needs of business users by integrating QoS into a one-box solution. By including QoS, broadband connections can be put to dual-use without impacting the quality of business data flows.
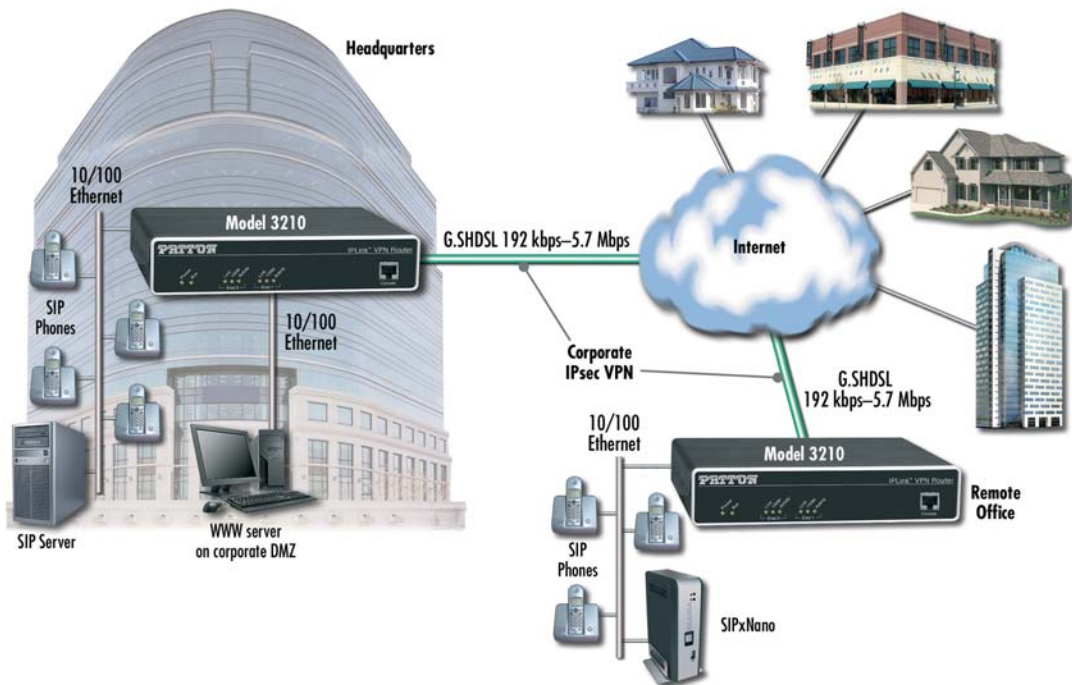
Features

VPN Tunneling secures IP network traversal.
• IPsec encryption supporting AH and ESP provides data integrity, authentication, anti-replay & data confidentiality.

256-bit Encryption protects data.
• With support for DES, 3DES, and AES, data can be encrypted using 56 to 256-bit algorithms, rightsizing security to resources.

QoS/Cos guarantees traffic priority.
• ToS/DiffServ labeling
• Eight service class tags per IEEE 802.1p/Q
• Per flow bandwidth guarantees
• Hierarchical traffic classes
• Configurable burst tolerance
• Excess traffic discard
• Configurable packet and frame fragmentation to minimize jitter.

Specifications

G.SHDSL port
ITU-T G.991.2 including Amendment 2, Annex A, B, F, G; ITU-T G.994.1 (G.Handshake); Classical Internet Protocol over ATM (RFC 1577/2225); PPPoE over ATM (RFC 2516); Routed IP over ATM (RFC 2684/1483); ATM QoS: UBR, CBR, and VBR-rt Support; TR-037 & ILMI 4.0 Auto-config support

LAN Ethernet Ports
Two 10/100BaseT (RJ-45 connector); auto-negotiating; half or full duplex operation with automatic MDI/MDI-X

Management
CLI via Telnet; TFTP for Software upgrade and configuration upload; SNMPv1; HTTP/web browser

Protocols
IP (RFC 741), TCP (RFC 793), UDP (RFC 768), ICMP & ICMP Redirect (RFC 792), ARP (RFC 826). IP Router with RIPv1 (RFC 1058), RIPv2 (RFC 2453), programmable static routes. Integrated DHCP Server (RFC 2131), DNS Relay (RFC 1631), IEEE 802.1p VLAN Tagging, NAT/NAPT (RFC 1631/2391)

Security
IPsec including AH and ESP. DES, 3DES, and AES encryption. Access Control Lists (ACLs). IP port and address filtering both by source and destination. DoS Detection. Password protected system management with a username/ password for console and virtual terminal.

Power Supplies
External universal 90–260 VAC input or 48 VDC input. (Optional Internal universal 90-260 VAC input.)

Compliance
CE Mark; Safety: UL60950-1, CSA 22.2 6095001, IEC/EN60950-1. Universal AC units are US NRTL Listed; EMC Emissions: FCC Part 15 Class A; EN55022 Class A; EMC Immunity: EN55024

Environment
Operating temp.: 0–40°C (32–104°F); Humidity: 5-80% non-condensing

Dimensions & Weight
7.3W x 1.6H x 6.1D in. (18.5H x 4.1W x 15.5D cm)
30.5 oz./500g (models with internal power); 24.4 oz./400g (models with external power; no power supply)

* Specifications subject to change without notice.