

NETLINK™ ACCESS PRODUCTS

The Model 3224 G.SHDSL IpDSLAM combines 24 G.SHDSL ports, subscriber traffic management, and a powerful edge router for a complete broadband IP/Internet access platform without the hassle and expense of an ATM based DSLAM.

G.SHDSL Router & DSLAM

Patton 3224 G.SHDSL IpDSLAM

Patton's Model 3224 IpDSLAM combines 24 G.SHDSL ports, two 10/100 Ethernet ports, and a built-in multi-protocol router into a single cost-effective Internet service delivery platform.

The Model 3224 is an expandable 1U system that seamlessly connects 24 subscribers to IP network access. Using ANSI/ETSI G.SHDSL, the Model 3224 enables providers to extend their reach-and-range by delivering rate-adaptive nx64 symmetrical speeds from 192 kbps to 4.6 Mbps—all over a single pair of wires. With its dual auto-sensing 10/100 Ethernet ports the Model 3224 can connect to your existing network or use an optional high-speed uplink for a complete point-of-presence. With its dual-redundant hot-swap power supplies the Model 3224 is perfect for high-demand and high-availability applications.

The Model 3224 is a complete full-function edge-router with subscriber traffic management. Use the traffic filtering, shaping, and policing capabilities of the IpDSLAM to tailor the service to the needs of each subscriber. Filter by IP address, IP port, or physical port to grant or restrict access to sites and applications. Network address translation (NAT) can be setup for IP address management. Use RIP, OSPF, or BGP to route traffic between any number of ports, or use static routes for connecting smaller networks. With SSH even management traffic can be securely accessed.

Ideal for last-mile high-speed Internet or MTU/MDU broadband access, the Model 3224 offers service without the hassle. For more information, visit us at www.patton.com.

G.SHDSL to 4.6Mbps

Spectrally compatible with existing TDM and HDSL equipment; 2-wire operation at speeds from 192 kbps to 4.6 Mbps in 64-kbps increments.

Extensive IP Routing Support

Support for RIP, OSPF, and BGP routing allows easy interoperability with and integration into any existing network.

IP Subscriber Management

DNS caching, NAT, NAPT, DHCP, IGMP, DiffServ, & RADIUS make it easy to create and manage any service.

VPN/Firewall

Create layer 2 and layer 3 VPNs with L2TP and GRE. Built in IP address and IP port filtering, makes firewall services a snap.

SNMP/HTTP Management

SNMP/HTTP manageable from anywhere in the world including attached CPE units.

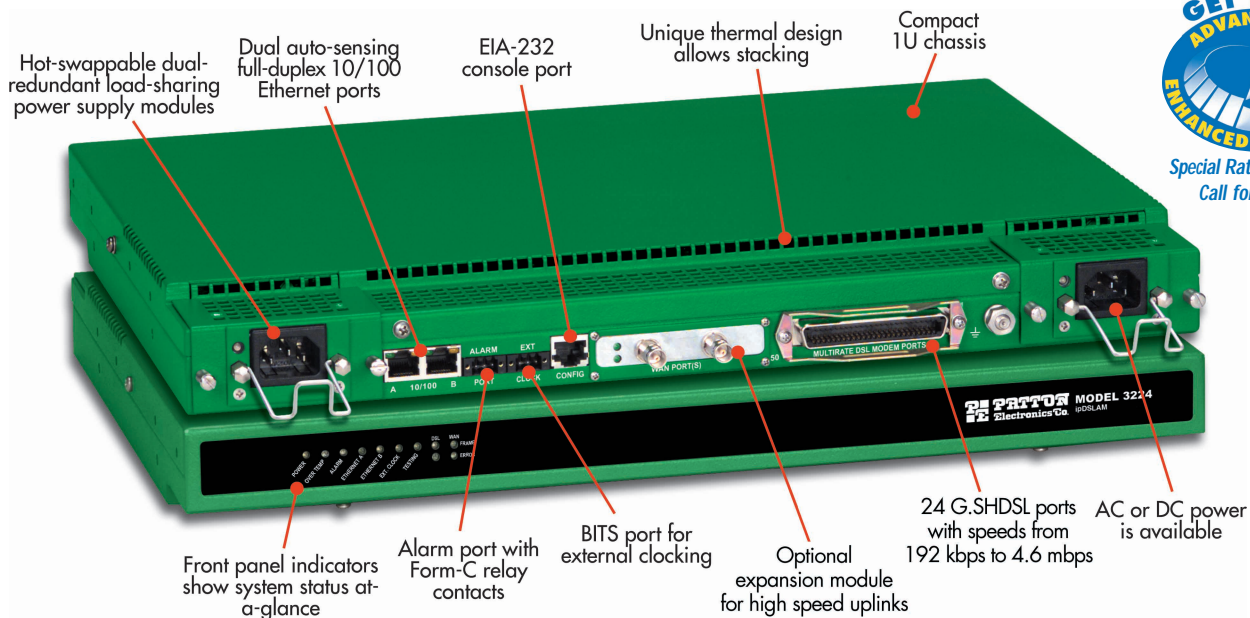
Extended/Enhanced Warranty

Secure your service with Extended Warranty. Available from 2-5 years, Enhanced Warranty extends the standard warranty to five years and includes Advance Replacements!

PATTON



Special Rates Available
Call for Details



Model 3224 G.SHDSL IpDSLAM

Operating Features

The Model 3224 IpDSLAM comes with the redundancy and ease of management required by service providers for high quality of service. Included with the purchase of every unit is free initial configuration support, one year of free technical services, one year warranty, and free software upgrades.

Features included:

- ✓ A 1U high base unit with one expansion slot
- ✓ 24 G.SHDSL ports on an RJ-21X connector
- ✓ Two 10/100Base-T Ethernet ports
- ✓ Standard removable dual-redundant, load-sharing power supplies (AC or DC)
- ✓ Alarm port; BITS clock port; console port

How easy is it to install our DSLAM? As easy as 1-2-3...

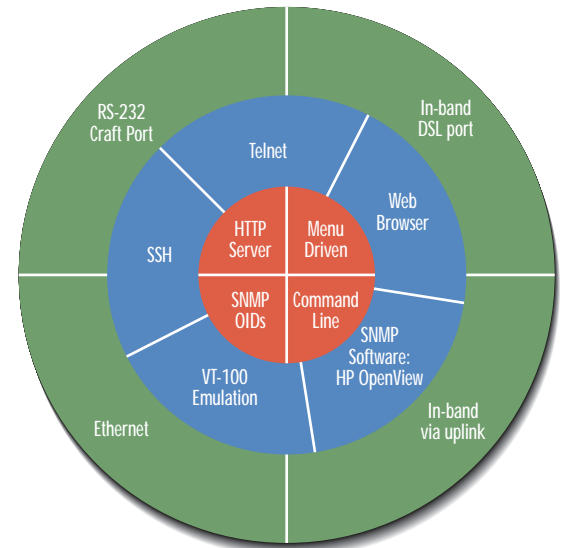
1. Plug in the power
2. Provision the port
3. Provide end-to-end IP

Features	Benefits
Redundant, Removable PS	Non-Stop Operation
BITS & Alarm ports	Deploy in CO environments
24 G.SHDSL Ports	Symmetric DSL to 4.6 Mbps
Two 10/100 Ethernet Ports	Redundant Up-Link
Expansion Modules	Customize Network Up-Link
L2TP	Create Layer 2 VPNs
GRE	Create Layer 3 VPNs
RIP, OSPF, BGP, & Static	Routing flexibility
RADIUS Accounting & Authentication	Authenticate & track users with existing tools
NAT & NAPT	Masquerading
IP address & port filtering	Create firewalls & manage QoS
DNS Caching	Faster address lookups
DHCP	Manage user IP addresses
NTP	Synchronize to time source

Specifications

DSL Ports	24 G.SHDSL or 2B1Q ports presented on an RJ-21X 50-pin connector, each supporting data rates of nx64 (192 kbps–4.6 Mbps)
Ethernet Ports	Dual 10/100BaseT (RJ-45 connector); auto-negotiating; half or full duplex operation
WAN clocking	Internal, Network Receive Recover (from expansion port), External BITS via Form-C relay contacts
Front Panel Indicators	LEDs for power, CPU, system, Ethernet, External clock, test mode, DSL, and Up-link Egress module
Power Supplies	Hot swap, dual-redundant AC or DC; AC power: 115 or 230 VAC (50/60 Hz); DC power: -36 to -72 VDC
Management Service	HTTP, SNMP, Telnet Server, RS-232 Console Port, SYSLOG Client, Software upgrade via FTP or TFTP
Alarm Reporting	Configurable alarms; Remote SNMP Traps; Front Panel LEDs; Form-C relay contacts
Compliance	Safety: UL/CSA per UL1950 (METS) Canadian cMET and CS-03. EMC Directive 89/336/EEC, Low-Voltage Directive 73/23/EEC (EN60950), FCC Part 15, CE Mark, CTR12, CTR13, FCC Part 68
Environment	Operating temperature: 0 to 40°C (32 to 104°F); Humidity: 5–90% non-condensing
Dimensions	48.25 W x 32.00 D x 4.44 H cm (19.00 W x 12.60 D x 1.75 H inches)—1U by 19 in. wide

Management Solution



The IpDSLAM comes with one of the most complete element management systems available.



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