Leased Line Extender over IP
SmartNode™ 4830 Series

The SN4830 DSL Series provides high-speed ADSL2+ or G.SHDSL options in a business-class VoIP analog gateway. This single-box solution offers several FXS and FXO combinations.

Service Providers
Offer the same old analog leased line service on the Internet with highly reduced capital and operational expenditure even as you migrate away from TDM.

Enterprises
Enjoy the benefits of using leased lines on Enterprise IP networks without the hassles of telephone wires

Security
Connections are always ON and securely encrypted with IPsec and IKE

Quality of Service
Advanced Traffic Management and Shaping, combined with Patton's DownStream QOS™ enforce uninterrupted toll-quality voice over best-effort networks

Access Router Functions
Integrated Access router functions with NAT, Firewall, ACL, PPPoE, DHCP, DynDNS and VLAN

Easy to Monitor and Control
In-Band (RS-232 Console Port) and Out-of-Band Management Capabilities (TELNET and HTTP)

Integrated DSL Uplink
Built-in ADSL2+ Annex A/M and Annex B options for up to 24 Mbps.

The SN4830 Series Leased Line Extender is a SmartNode that enables end users to deploy leased-line applications like an always-on connection—even on the Internet. Using only one extender on each side, audio leased-lines can be transported over a packet-based network. This means that Internet connections in two locations around the world are sufficient to establish up to four Leased-Lines between those locations!

Many service providers are moving away from their TDM backbone networks and their analog leased lines offerings. The SN4830 series offers service providers a chance to offer the same services like Always-ON connections on analog leased lines over their IP based networks.

To enterprises, it offers a chance to move to best-effort networks like the Internet and enjoy the same benefits of using analog Leased Lines on the existing LAN network they have already deployed. In addition, it enables LANs to provide Intra-Office Always-ON lines instead of a dedicated web of telephone wires.
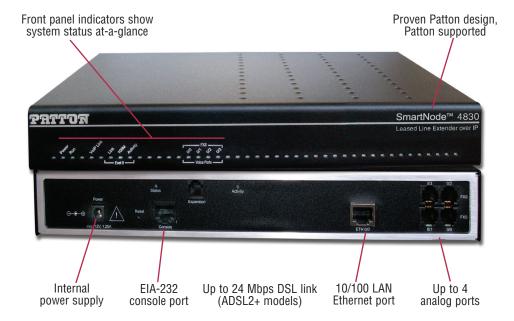
After installation, the connection between two SN4830 extenders can be established immediately. It also reestablishes after any network disruption. The connection can also be secured with hardware-accelerated 3DES or AES encryption end-to-end between the extenders, preventing wire-tapping and making Patton the right choice for security conscious enterprises.

Visit www.patton.com for more information.

GET YOUR ADVANCE SHIP 5 YEARS ENHANCED WARRANTY
Special Rates Available

Front panel indicators show system status at-a-glance

Proven Patton design, Patton supported

Internal power supply

EIA-232 console port

Up to 24 Mbps DSL link (ADSL2+ models)

10/100 LAN Ethernet port

Up to 4 analog ports

PATTON® *let's Connect!*™

Specifications**

Capacity
2 or 4 VoIP lines

Audio connectivity
2-wire RJ-11 • Bandwidth 4kHz • Impedance 600-ohm • Narrow Band FXS style hybrid transmit/receive

Data Services
10/100 Ethernet port • Complete IP access router • DHCP Client & server • Packet fragmentation •

Static firewall, NAT, NAPT RFC 1631 access control lists • DMZ port • IPsec, IKE, AES/DES/3DES Encryption

Quality of Service
Audio priority • DownStreamQoS™ • Traffic management, shaping and policing • IEEE 802.1p, TOS,

DiffServ labeling • IEEE 802.1Q, VLAN tag insertion/deletion (simultaneous support of multiple VLANs)

Voice Signaling
SIPv2 (B2BUA capable, multi-instance, simultaneous support of multiple registrars and direct IP dialing) • SIP call transfer, redirect • DTMF in-band & out-of-band

Voice Processing
CODEC G.711 a-law/mu-law, G.723, G.729ab, • G.726, G.727.

System
CPU Motorola MPC875 @66MHz • Memory 32MB SDRAM/8MB Flash • Power 100–240 VAC (50/60Hz) • Power dissipation 4- 8W, model dependent

Management
Web/HTTP, CLI with local console and remote Telnet access • TFTP configuration & firmware loading • SNMP MIB II and product MIB • Secure Mass provi-

sioning for both firmware and unit configuration • Built-in diagnostic tools (trace, debug, call generator)

Temperature
32 to 104°F (0 to 40°C)

Humidity
up to 90%, non-condensing

Compliance
CE Compliance

Model Information

SN4832/LLA/EUI: SmartNode 2-channel, 2-wire Leased Line over IP Repeater, ADSL2+ Annex A interface, Encryption, EUI power

SN4834/LLA/EUI: SmartNode 4-channel, 2-wire Leased Line over IP Repeater, ADSL2+ Annex A interface, Encryption, EUI power

* Specifications subject to change without notice.