Patton’s SmartNode 2300 Modular VoIP Access Router creates a flexible enterprise solution for easy integration of voice and data. Scalable, intelligent, and multi-service, the SmartNode 2300 supports up to 60 simultaneous calls and is equipped with a Sync Serial router with QoS, NAT, and Firewall.

**Modular VoIP Access Router**
**Patton SmartNode 2300**

The SmartNode 2300 Modular VoIP Access Router is a single flexible platform for network data and Voice-over-IP applications. Ideal for the branch office or the small to medium enterprise, the SmartNode 2300 is performance-tuned for packet and voice. Equipped with dual Ethernet ports, a serial V.35/X.21 port, and three voice interface slots, the SmartNode 2300 scales up to 60 simultaneous calls in a 1U chassis.

The SmartNode 2300 connects your LAN to the WAN using PPP or Frame Relay (RFC-1490) eliminating the need for and cost of an extra router. With dual Ethernet ports and built-in QoS, NAT, DHCP, PPPoE, and ACL/Firewall, the SmartNode 2300 provides complete LAN network access control.

With Patton’s Telephony-over-IP (ToIP) programmable circuit-switching the SmartNode links any standard BRI, T1/E1 PRI, or FXS connection to the IP network. Supporting multiple codecs and T.38/Modem bypass, the SmartNode seamlessly converges voice, data, and fax over IP.

The SmartNode delivers IP network access with the clarity of toll-quality voice for a complete LAN, WAN, and Gateway solution. For more information, visit us at www.patton.com.

**Up to 60 Simultaneous Calls**
Supports up to 60 simultaneous calls from any combination of voice interfaces including T1/E1 PRI, BRI, and FXS.

**Complete Service Transparency**
Using ISoIP™ and ToIP™ technology, calls are connected with voice, data, and supplementary services delivered transparently end-to-end.

**H.323v3 and H.323+ VoIP**
Connect to any Standard BRI, T1/E1 PRI, or FXS connection to any gateway with our standard codecs (including G.711 and G.726). For low bandwidth requirements, use G.723.1 and G.729ab vocoders.

**3 Interface Card Slots for Data and Voice**
Connect up to 60 calls for any digital or analog applications

**Compact 1U Chassis**

**Complete Media Gateway with H.373, SIP, and MGCP Signalling**

**Built-in V.35/X.21 router with PPP or Frame Relay**

**RS-232 control port for configuration and monitoring**

**Dual Ethernet for flexible network integration**

**Internal route engine for QoS, NAT, PPpoE, VPN, and ACL/Firewall**

**Internal auto-ranging 100-240 VAC power supply**

For more information, visit us at www.patton.com.
The SmartNode 2300 Modular VoIP Access Router is an intelligent multi-service access device providing both routed LAN services and Voice-Over capabilities.

With its internal router and V.35/X.21 port, remote or local sites can access public IP services or private data VPNs without the added cost of a router.

Adding Voice-Over capabilities are a snap using any combination of field-installable voice and data modules. Now any site can connect VoIP to any phone with BRI, T1/E1 PRI, or FXS.

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### Voice Signalling

- Euro ISDN EDSS-1/ETSI BRI/NET3
- ETSI 300 012-1 (ITU-T I.430)
- ETSI 300 402-1 (ITU-T Q.921)
- ETSI 300 403-1/2 (ITU-T Q.931)
- ETSI 300 102-1 (ITU-T Q.931)
- Q.SIG (PSS.1)
- ECMA-143
- ETSI and ISO/ECMA channel numbering
- SIP and MGCP
- H.323v3
- RAS, H.225, H.245
- Fast-connect, early H.245
- Gatekeeper auto-discovery

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### Voice Routing—Session Router™

- Local switching
- Interface huntgroups
- ISDN broadcast message routing
- Routing criteria
- Interface
- Calling/called party number
- Time of day, day of week, date
- ISDN bearer capability
- Number manipulation functions
- Replace numbers

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### IP Quality of Services

- WFQ/Fixed Rate/Priority Queuing
- Combination of QoS schemes with configurable burst
- DiffServ/Tos set or queue per header bits
- Packet Policing discards excess traffic
- 802.1p VLAN tagging

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### Model Information

**SN2300/0V/UI**  Modular VoIP Access Router with internal 100–240 VAC power supply

**SNSW-IAF-3**  IP Advanced Feature Set (QSIG,QoS, IP Classification)