

IpChannel Bank Multi-Port FXS or FXO Gateway

SmartNode™ 4300 Series



The cost-effective Gateway solution to tie in 12 to 32 analog phones, fax or PSTN trunk lines to your IP environment

Up to 32 FXS or FXO

Simultaneous voice or fax calls on all ports. Advanced local call switching.

Full SIP and T.38 support

Supports the complete range of industry standard VoIP: SIP, H.323, T.38 fax, fax and modem bypass, DTMF relay. Codecs G.729, G.723 etc.

Outstanding Interoperability

Interoperable for voice and T.38 with leading SIP service providers, soft-switch vendors and Asterisk™ IP-PBX.

SmartNode™ Awards

- **2010 Internet Telephony Product of the Year:** SmartNode™ 5400
- **2009 Internet Telephony Product of the Year:** SmartNode™ 4400 Series
- **2008 Internet Telephony Product of the Year:** SmartNode™ 4961
- **2007 Internet Telephony Product of the Year:** SmartNode™ S-DTA
- **2006 Internet Telephony Product of the Year:** SmartNode™ 4960
- **2005 Internet Telephony Product of the Year:** SmartNode™ 4630

The SmartNode™ 4300 VoIP Gateway provides 12 to 32 analog FXS or FXO interfaces to connect phones, fax or PSTN trunk lines to your IP-based communications (IP PBX, UC systems and SIP Trunks).

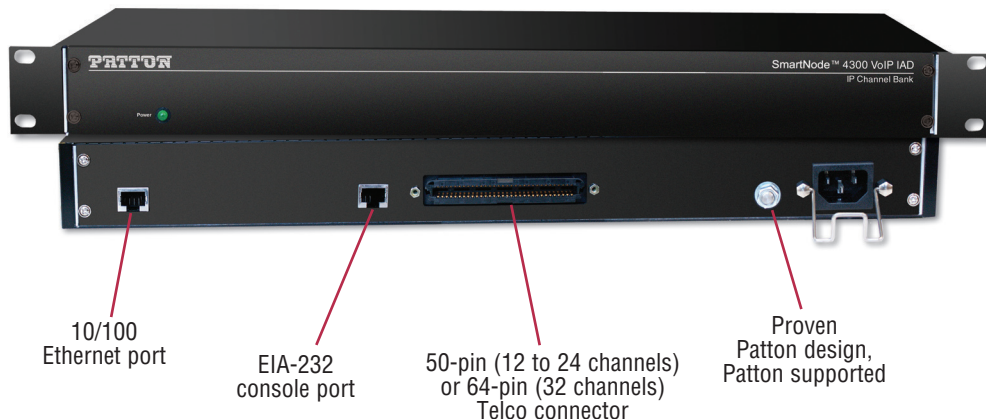
Like every SmartNode™, the SN4300 supports every industry-standard CODEC to deliver toll-quality voice on every call. The Unified Communications Agent™ (UCA) provides any-to-any multi-path switching (simultaneous SIP, H.323, ISDN, and POTS calls with routing and conversion between TDM/PSTN and IP/Ethernet networks—plus T.38 and SuperG3 FAX). VoIP-over-VPN with voice encryption provides secure voice and data via IPsec with AES/DES strong encryption and automated keying via Internet Key Exchange (IKE). In addition, advanced call-router functionality

includes least-cost call routing with flexible dialed-number plan support.

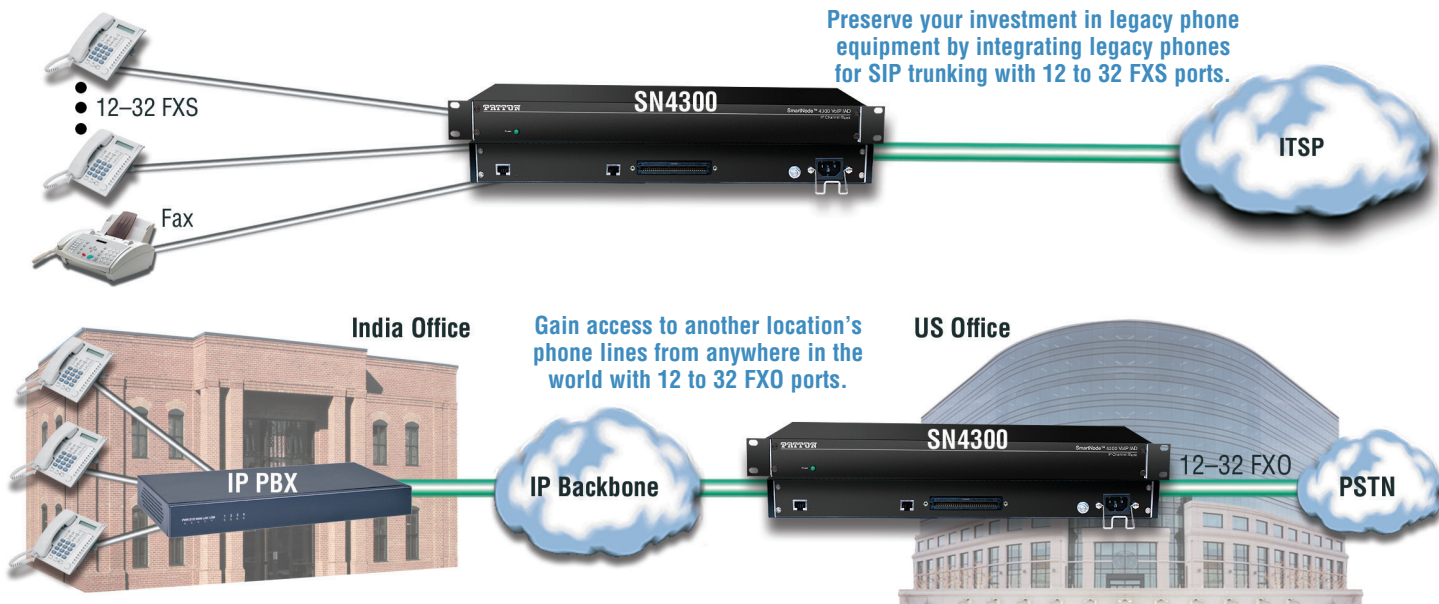
The SmartNode survivability suite provides PSTN fallback to ensure business continuity in case the IP network fails. In addition, SmartNode delivers a smooth transition to VoIP with strong number portability support accepting incoming calls from the PSTN throughout the VoIP service provider's number porting process.

Preserve investments in legacy phone equipment while taking the next steps toward unified communications with the SN4300 VoIP Gateway. Providing 12 to 32 FXS or FXO interfaces and one 10/100/1000 Ethernet, the SN4300 delivers a reliable, cost-effective solution for the Enterprise.

Visit www.patton.com/smartnode for more information.



Typical applications



Specifications*

Capacity

16, 24, 32 simultaneous VoIP calls

Management

Web/HTTP, CLI with local console and remote Telnet access • TFTP configuration & firmware loading • SNMP MIB II and product MIB • Secure autoprovisioning for both firmware and unit/subscriber configuration • Built-in diagnostic tools (trace, debug, call generator)

FXS Connectivity

2-wire Loopstart on 50 pin (12 to 24 channels) or 64 pin (32 channels) Telco connector • Short haul loop 1.1 km @3REN • EuroPOTS (ETSI EG201188) • Programmable AC impedance, feeding,

ring and on-hook voltage • Caller-ID FSK and ITU V.23/Bell 202 generation

FXO Connectivity

2-wire Loopstart on 50pin (12 to 24 channels) or 64-pin (32 channels) Telco connector • Programmable impedance, ring detection, tone detection, disconnect supervision • Caller ID detection

Voice Signaling

SIPv2 H.323v4 (simultaneously with B2BUA capability) • SIP call transfer, redirect • DTMF in-band & out-of-band • All tones programmable (dial, ringing, busy)

Call Switching and Services

Regular expression based call routing and number manipulation • Number blocking • Short-dialing • Digit collection, distribution and hunt groups • transparent line extension

Voice Processing

Codec G.711 a-law/mu-law, G.723, G.729ab • G.726, G.727. T.38 fax relay • G.711 transparent fax and bypass

System

CPU Motorola MPC875 @ 133 MHz • Memory 32 MB SDRAM/8 MB Flash

Dimensions

19-in. rack-mount chassis
48.3W x 4.44H x 30.50D cm

Weight

4.1 kg

Power

100–240 VAC (50/60 Hz) • Power dissipation: > 22W (60W max, model SN4432/JS/RUI)

Temperature

32–104°F (0–40°C)

Humidity

up to 90% (non condensing)

Compliance

EMC compliance: EN 55022 and EN 55024 • Safety compliance: EN 50950 • CE compliance • FCC Part 15 Class A • RoHS

* Specifications subject to change without notice.

Ordering Info

SmartNode Multiport VoIP

Gateway (GW), Internal UI Power

SN4312/JO/UI: FXO VoIP GW, 12 FXO ports (RJ21), 1 x Fast Ethernet. Under *Accessories*, look for this symbol: ✓

SN4316/JO/UI: FXO VoIP GW, 16 FXO ports (RJ21), 1 x Fast Ethernet. Under *Accessories*, look for this symbol: ✓

SN4316/JS/UI: FXS VoIP GW, 16 FXS ports (RJ21), 1 x Fast Ethernet. Under *Accessories*, look for this symbol: ✓

SN4324/JO/UI: FXO VoIP GW, 24 FXO ports (RJ21), 1 x Fast Ethernet. Under *Accessories*, look for this symbol: ✓

SN4324/JS/UI: FXS VoIP GW, 24 FXS ports (RJ21), 1 x Fast Ethernet. Under *Accessories*, look for this symbol: ✓

SN4332/JO/UI: FXO VoIP GW, 32 FXO ports (RJ21), 1 x Fast Ethernet. Under *Accessories*, look for this symbol: ✓

SN4332/JS/UI: FXS VoIP GW, 32 FXS ports (RJ21), 1 x Fast Ethernet. Under *Accessories*, look for this symbol: ✓

Accessories

Choose the color-coded symbol (✓) for your model

10-3096TM50/16RJ11-12: 12 FT Cable (50 PIN TELCO-to-16 RJ11) ✓

10-3096TM50/16RJ45-12: 12 FT Cable (50 PIN TELCO-to-16 RJ45) ✓

10-3096TM50/50-12: 12 FT Cable (50 PIN TELCO-to-50 PIN TELCO) ✓ ✓

10-3096TM50-20: 20 FT Cable (50-pin TELCO-to-25 unterminated) ✓ ✓

10-50TELCO/24RJ11-6: 6 FT Cable (50 PIN TELCO-to-24 RJ11) ✓ ✓

10-50TELCO/24RJ45-6: 6 FT Cable (50 PIN TELCO-to-24 RJ45) ✓ ✓

10-493264-10: 10 FT Cable (64 PIN TELCO-to-32 unterminated) ✓

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Let's Connect!

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