

## Patton SmartNode SN4424/JS/UI 24 FXS VoIP 2x10/100bTX, UI Power Analogue VoIP Gateway



Product Name: Patton SmartNode SN4424/JS/UI 24 FXS VoIP 2x10/100bTX, UI Power Analogue VoIP Gateway

Manufacturer: Patton Inalp

Model Number: SN4424/JS/UI

Patton SmartNode SN4424/JS/UI 24 FXS VoIP 2x10/100bTX, UI Power Analogue VoIP Gateway  
The Patton SmartNode SN4424/JS/UI 24 FXS VoIP 2x10/100bTX, UI Power Analogue 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).  
Patton SmartNode SN4424/JS/UI 24 Key Features

- 12, 16, 24 or 32 FXS—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.

- Secure Toll-Quality VoIP—DownStreamQoS and Voice-over-VPN with adaptive traffic management and shaping for maximum voice quality and secure voice communication.

- Complete Access Routing—Two 10/100 Ethernet ports with auto MDI-X. Access router with NAT, Firewall, PPPoE, DHCP, DynDNS, multiple VLANs & VPN with IPsec\*

- Outstanding Interoperability—Interoperable for voice and T.38 fax with leading SIP service providers, soft-switch vendors and Asterisk®; IP-PBX

Like every SmartNode®, the SN4400 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.

Patton SmartNode SN4424/JS/UI - Technical Specifications

Capacity

- 12, 16, 24, 32 simultaneous VoIP calls

Data Services

- Two 10/100 Ethernet ports

- Complete IP access router

- DHCP Client & server

- Packet fragmentation

- Static firewall, NAT, NAT RFC 1631 access control lists

- DMZ port

Quality of Service

- Voice priority

- DownStreamQoS®;

- Traffic management, shaping and policing

- IEEE 802.1p, TOS, DiffServ labeling

- IEEE 802.1Q, VLAN tag insertion/deletion (4096 VLAN IDs, multiple VLAN support

## Patton SmartNode SN4424/JS/UI 24 FXS VoIP 2x10/100bTX, UI Power Analogue VoIP Gateway

### 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 50pin (12 to 24 channels) or 64pin (32 channels) Telco connector
- Short haul loop 1.1km @3REN
- EuroPOTS (ETSI EG201188)
- Programmable AC impedance, feeding, ring and on-hook voltage
- Caller-ID FSK and ITU V.23/Bell 202 generation

### 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 32MB SDRAM/8MB Flash

### Dimensions

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

### Weight

- 4.1 kg

### Power

## Patton SmartNode SN4424/JS/UI 24 FXS VoIP 2x10/100bTX, UI Power Analogue VoIP Gateway

• 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

**Please Enquire**

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