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, NAPT 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

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

- 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

Price: £1,134.01