

Patton SmartNode SN4912/JS/RUI 12 Port FXS Analogue Gateway



Product Name: Patton SmartNode SN4912/JS/RUI 12 Port FXS Analogue Gateway

Manufacturer: Patton Inalp

Model Number: SN4912/JS/RUI

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Interoperable for voice and T.38 fax with leading SIP service providers, soft-switch vendors and leading IP-PBX systems. The Patton SmartNode SN4912/JS/RUI 12 Port FXS Analogue Gateway is the ideal solution for service providers and enterprises requiring high-density analog connections for converged Internet-Telephony. Call centers, multi-tenant-units and PBX/switch extensions can now access the low-cost benefits of packet voice while WAN, data and VPN features permit direct access the IP network with full upstream and DownStream QoS™. The SN4900 supports 12 to 32 simultaneous VoIP calls over standard two-wire FXS connections. The analog ports are presented on a single Amphenol telco connector for convenient wiring closet connection. Local LAN connectivity is pre-sented via dual 10/100 Ethernet ports. Traffic can be routed out either port for load-balancing and redundancy. Dual-redundant power supplies protect against equipment down-time. Seamless and secure network integration with fixed IP, DHCP or PPPoE. Complete access routing features include NAT/NAPT, Firewall, DynDNS and the optional IPsec VPN feature license offer secure data. Optional WAN uplink modules, available in V.35/X.21, T1/E1, and xDSL options, eliminate the need for extra network termination devices and extra cost.

Quality of Service (QoS) features included advanced voice prioritization and traffic management. DownStream QoS™ ensures voice without interruptions even over best-effort internet connections. Packet labeling according to 802.1p, TOS and DiffServ enable integration into managed QoS networks. Integrated GUI and Command Line, front panel status and call load indicators and a full suite of management interfaces ensure efficient setup, continuous trouble-free operation and cost-effective deployment. 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 DownStream QoS 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*. Optional Integrated WAN uplink Choose from V.35, X.21, T1/E1, ADSL and G.SHDSL data interfaces in addition to the two Ethernet ports. Specifications Capacity 12, 16, 24, 32 simultaneous VoIP calls Voice Signaling: SIP v2 H.323 v4 (simultaneously with B2BUA capability)

- SIP call transfer, redirect
- DTMF in-band & out-of-band
- All tones programmable (dial, ringing, busy)

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

- G.726, G.727. T.38 fax relay (9.6 k, 14.4 k)
- G.711 transparent fax and bypass

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

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FXS Connectivity 2-wire Loopstart on 50pin (12 to 24 channels) or 64-pin (32 channels)
Telcoconnector

- 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

FXO Connectivity 2-wire Loopstart on 50pin (12 to 24 channels) or 64-pin (32 channels)
Telcoconnector

- Programmable impedance, ring detection, tone detection, disconnect supervision
- Caller ID detection

Data Services Two 10/100 Ethernet ports

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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

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Quality of Service Voice priority

- DownStreamQoS™
- Traffic management, shaping and policing
- IEEE 802.1p, TOS, DiffServ labeling
- IEEE 802.1Q, VLAN tag insertion/deletion 4,096

Optional WAN interfaces X.21/V.35 Frame Relay (8 PVCs); RFC1490, FRF.12 fragmentation; LMI, Q.933D, ANSI 617D, Gang of Four; PPP, PAP, CHAP, LCP, IPCP)

- T1/E1 (ITU-T G.703, ANSI T1.403; & AMI, B8ZS, HDB3)
- ADSL2+ (Annex A, B, I, J, I, M, U-R2)
- G.SHDSL (G.991.2, Annex A, B, F, G, Up to 5.7Mbps, 8 PVCs, QoS)

Management Web/HTTP, CLI with local console and remote Telnet access

- TFTP configuration & firmware loading
- SNMP MIB II and product MIB
- Secure auto-provisioning for both firmware and unit/subscriber configuration
- Built-in diagnostic tools (trace, debug, call generator)

System CPU Motorola MPC875 @ 133 MHz

- Memory 32MB SDRAM/8MB Flash

Power 100–240 VAC (50/60 Hz)

- Power dissipation: > 22W (60W max, model SN4932/JS/RUI)

Temperature 0–50°C Humidity 5–80% (non condensing) Compliance EMC compliance: EN55022 and EN55024

- Safety compliance: EN 50950
- CE compliance
- FCC Part 15 Class A
- RoHS

Price: £1,072.03
