Product Name: Patton SmartNode SN4916/JO/RUI 16 port FXO Analogue Gateway
Manufacturer: Patton Inalp
Model Number: SN4916/JO/RUI

Availability: Discontinued
Smartnode 16 Port FXO VoIP Gateway, 2x10/100bTX, H.323 and SIP, redundant UI power
Patton's SmartNode™ 4900 Series IpChannel Bank is the perfect business solution for
applications requiring 12 to 32 concurrent analog voice/fax calls. The IpChannel Bank transforms
any PBX system, analog call-center application, or ISP MDU service into a state-of-the-art
packet-voice system without requiring costly equipment replacement or upgrades. The SN4900
Series supports key industry-standard VoIP signaling protocols such as SIP, H.323, and T.38 Fax
Relay--plus fax-bypass and modem-bypass. This ensures interoperability with the leading soft
switches and VoIP services. Built-in Quality of Service (QoS) features include voice prioritization
and traffic management via configurable service-policy profiles. Patton's advanced
DownStreamQoS™ ensures clear, uninterrupted voice--even over best-effort networks such as
the Internet. Packet classification using 802.1p, TOS, and DiffServ makes integration with existing
managed QoS networks easy. Create custom security profiles for a comprehensive security
environment. IPSec in the SN4900 Series delivers data integrity, authentication, anti-replay and
data confidentiality. Firewall capabilities include Access Control Lists (ACLs), IP-address and port
filtering, protection against Denial of Service (DoS) attacks, and use of second Ethernet port as
DMZ. Offering easy setup, reliable operation, and third-party interoperability on a proven platform,
the SN4900 Series IpChannel Bank sits at the core of costeffective business solutions. 12/16/24
or 32 FXS VoIP Ports

• Multiport VoIP media gateway and routing
• SessionRouter™
• DTMF relay
• Caller-ID, Hold
• Transfer etc

Complete VoIP Signaling

• SIPv3, H.323v4k
• T.38
• Fax - and Modem Bypass
• G.723
• G.729
• G.726
• echo cancellation
• silence compression
• comfort noise.

 DownStream™ Quality of Service Advanced adaptive traffic management for maximumvoice
quality. Voice prioritization and DownStreamQoS™for bi-directional traffic control. Full Access
Routing

• IPv4
• RIPv2
• ICMP
• IGMP
• NAT/PAT,
• Firewall

- DHCP
- DynDNS
- IPSec VPN (optional)

Integrated WAN Uplink Optional WAN for one-box connection to the network. Management & Provisioning

- Built-in Web based management
- CommandLine Interface and Auto-Provisioning for automated configuration distribution and software upgrades
- SNMP

LAN and IP Services

- Dual-port 10/100bTX LANAuto-MDIX,
- Auto-sensingIPv4, RIPv2, ICMP,
- IGMP v2/3Dynamic and static NAT and NAPT ACL FirewallDNS client and relay,
- DynDNSDHCP
- ServerSNTP ClientOptional IPSec VPN (DES, 3DES, AES)

WAN Connectivity

- WAN ConnectivityX.21 or V.35 WAN
- Frame-Relay (8 PVCs)
- RFC1490, FRF.12 fragmentationLMI,
- Q.933D, ANSI 617D, Gang of FourPPP,
- PAP, CHAP, LCP, IPCP

IP Quality of Service

- Voice priority
- DownStreamQoS™ (Pat.pend)
- Traffic Management, shaping, policing

Management

- Web-based GUI
- Fully Documented CLI
- Telnet and HTTP access
- TFTP configuration up- and download
- Remote firmware upgrade
- SNMPv1 agent (MIB II and private MIB)
- Built in diagnostic tools
- Auto-ProvisioningTelephony FXS/FX

Call Routing & Services

- Regular expression number matching
- Regular expression number manipulation
- Least Cost Routing
- Number blocking
- Short-Dialing
- Digit collection

• Distribution- and Hunt- Groups
• 2nd call offering

Voice Processing

• G.711m/A-law
• G.723.1 (6.4Kbps)
• G.729, 729a, 729ab (8Kbps)
• G.726 (16 ,24, 32, 40 Kbps)
• G.168 echo cancellation (25ms)
• Silence suppression and comfort noise
• Adaptive and configurable dejitter buffer
• Configurable packet length

Power & Packaging

• 19-in. rack-mount chassis
• Dimension: 48.3W x 4.44H x 30.5D cm
• Weight: 4.1 kg
• Power consumption: 25–50W (model dependent)
• Redundant internal power supply: 100–240VAC
• (48V DC power supply available on request)

Operating Environment

• Operating temperature: 0–50°C
• Operating humidity: up to 90% , non condensing

Compliance

• FCC Part 15 Class A (US EMC)
• CE per RTTE 99/5/EC (EMC and LVD)
• EN55022, EN55024 (EMC)
• EN60950 (Safety)
• TBR-21 (FXS)

Price: £1,367.83