

# Patton SmartNode SN4980/4E96VR/EUI 4 T1/E1 PRI 96 VoIP channels upgradeable to 120 Channels Gateway



Product Name: Patton SmartNode SN4980/4E96VR/EUI 4 T1/E1 PRI 96 VoIP channels upgradeable to 120 Channels Gateway

Manufacturer: Patton Inalp

Model Number: SN4980/4E96VR/EUI

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SmartNode 4 T1/E1 PRI VoIP GW-Router, 2x GigEthernet, 96 VoIP channels; upgradeable to 120, Failover Relay, External UI Power, IPv6 ready The Patton SmartNode SN4980/4E96VR/EUI 4 T1/E1 PRI 96 VoIP channels upgradeable to 120 Channels Gateway allows Enterprises to IP-enable their legacy PBX systems. Evolving from Patton's award winning SmartNode 4960 Series, the next generation SmartNode 4980 Series comes now with IPv6 upgradeable hardware. Like every Patton SmartNode SN4980/4E96VR/EUI 4 T1/E1 PRI 96 VoIP channels upgradeable to 120 Channels Gateway supports every industry-standard CODEC to deliver toll-quality voice on every call. The Unified Communications Agent&trade; (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&mdash;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. Preserve investments in legacy phone equipment while taking the next steps toward unified communications with the SN4980 VoIP Gateway-Router. Providing 1 to 4 T1/E1/PRI and two 10/100/1000 Ethernet for up to 120 VoIP calls, the SN4980 with built-in IP Router delivers secure, prioritized unified communications.

Patton SN4980 Specifications:

PSTN:

- Up to four T1/E1/PRI ports (NE/TE)
- Signaling support (ISDN DSS-1, NI-2, Q.SIG, CAS Robbed bit loop and ground start, E&M, immediate, wink, double wink)
- ISDN AOC/ECT
- ISDN speech, audio & data (Fax Gr 4, UDI 64, RDI64)
- ISDN supplementary services
- CAS protocols: RBS (Loop start, ground start, E&M wink, intermediate, double-wink) and R2/MFC-R2 (Q.400&mdash;Q.490 and Configurable country profiles)
- Fallback-relays on 4 port versions

VoIP:

- SIPv2 (SIP Info, Update, PRACK, Privacy, Refer), B2BUA, H.323v4 (H.235, Early H.245, H.245 tunneling, fast-connect)

Voice Processing:

- Codec G.711 a-law/mu-law, G.723, G.729ab, G.726, G727, T.38 fax relay (9.6 k, 14.4 k)
- G.711 transparent fax and bypass
- 128 ms echo cancellation

Call Routing and Services:

- Regular expression call routing and manipulation

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- number blocking
- short-dialing
- digit collection, distribution and hunt group

## Data Interfaces:

- Two (2) 10/100/1000 TX Ethernet Ports
- Autosensing
- Auto-MDI
- Full-duplex

## IP Routing

- IP access router
- DHCP Client & Server
- RIPv2
- BGP
- VRRP
- Packet fragmentation
- Firewall
- NAT/NAPT RFC 1631
- Access Control Lists
- DMZ port
- IPsec VPN (Option)

## Management:

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

## Power:

- &bull; External Power: 100&ndash;240VAC (50/60 Hz)

**Price: £4,522.00**

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