

# Patton SmartNode SN4940/4E96V/EUI 4 T1/E1/PRI 96 VoIP Channels Gateway



Product Name: Patton SmartNode SN4940/4E96V/EUI 4 T1/E1/PRI 96 VoIP Channels Gateway

Manufacturer: Patton Inalp

Model Number: SN4940/4E96V/EUI

Please Note: The Patton SmartNode SN4940 has been discontinued. For an alternative, we highly recommend the Patton SmartNode SN4970 96 Channels.

Patton SmartNode Hi-Cap 4 T1/E1/PRI VoIP Gateway, 1x GigEthernet, 96 VoIP Channels; field upgradeable to a max of 120 Channels, External UI Power  
IP-enable your legacy PBX system with the SmartNode; 4940 PRI VoIP Media Gateway, the cost-effective solution for seamless migration to IP Telephony and Unified Communications.

- Up to 120 VoIP calls - with four T1/E1/PRI ports and one Gigabit Ethernet port.
- Proven Interoperability - Interoperable with all the major-brand softswitches and IP-PBXs.
- Comprehensive Signaling Protocol Support - Supports SIP, H.323, ISDN, and T1/E1 telephony plus T.38 and Super G3 FAX—over TDM/PSTN and IP/Ethernet services simultaneously.
- Transparent Telephony Features - Complex number manipulation and mapping for seamless integration with existing infrastructures, CLIP, CLIR, hold, transfer and much more.
- High Precision Clock - Delivers DECT PBX interoperability with reliable fax performance.

As enterprises move toward unified communications, the SmartNode; 4940 provides a smooth transition by either IP-enabling traditional PBX systems for SIP trunking over existing Internet connection, adding PSTN-breakout for number portability, or enabling PSTN access for IP PBX and unified communications systems. Preserve investment in legacy phone equipment while taking the next step toward unified communications with Patton's proven SmartNode; VoIP solutions. With comprehensive signaling protocol support, the SN4940 supports SIP, H.323, ISDN, and T1/E1 telephony plus T.38 and Super G3 FAX—over TDM/PSTN and IP/Ethernet services simultaneously. With up to four T1/E1/PRI ports, connect to any switch, PBX or data network for up to 120 simultaneous calls using SIP, T1, E1 or PRI signaling. The SN4940 also supports all the industry-standard CODECs, delivering toll-quality voice on every call. Proven interoperability with all the major-brand softswitches and IP-PBXs makes it easy for carriers and enterprises to deploy future-proof VoIP systems quickly and profitably. Featuring high reliability and touchless auto-provisioning, tens of thousands of SmartNode; devices are up-and-running in enterprise and carrier networks worldwide. Ensure business continuity. By providing PSTN breakout, SmartNode; ensures voice survivability for reliable enterprise-class communications. Patton's unique high-precision clock enables first-line IP telephony services in demanding DECT PBX environment plus reliable FAX and modem performance. Application Diagram Convert Legacy PBX to VoIP

## Technical Specifications

### General

- Voice Connectivity Up to four software selectable T1/E1/PRI ports (NE/TE)
- Signaling support (ISDN DSS-1, NI-2, Q.SIG, CAS Robbed bitloop and ground start, E&M, immediate, wink, double wink)
- SIP v2 & MGCP/IUA, H.323 v4
- ISDN AOC/ECT
- ISDN speech, audio & data (Fax Gr 4, UDI 64, RDI 64)
- ISDN supplementary services

### Voice Processing

# Patton SmartNode SN4940/4E96V/EUI 4 T1/E1/PRI 96 VoIP Channels Gateway

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

## Data Interfaces

- One 10/100/1000 TX Ethernet Port
- Autosensing
- Auto-MDI
- Full-duplex fragmentation

## Management

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

## Desktop metal chassis

- Dimensions: 11.0W x 1.5H x 7.0 D in.(28.0W x 3.9H x 18.0D cm)
- Weight: < 30 oz (850g)
- Internal Power: 100-240VAC (50/60 Hz)
- Power Consumption: < 15W

## Operating Environment

- Operating temperature: 32 to 104°F (0 to 40°C)
- Operating humidity: up to 90%, non-condensing

## Compliance

- EMC: EN55022 and EN5502
- Safety: EN60950
- CE
- FCC Part 15 Class A; Part 68; CS-03

Series  
SN4940  
SN4950

# Patton SmartNode SN4940/4E96V/EUI 4 T1/E1/PRI 96 VoIP Channels Gateway

SN4960

E1/T1 VoIP Gateway

YES

YES

YES

IP QoS Router

NO

YES

YES

Session Boarder Controler

NO

NO

YES

Ethernet Ports

1 x 1GE

2 x 1GE

2 x 1GE

E1/T1 Ports

Available with 1 or 4 E1/T1 ports/1E or /4E models

WAN Interface

NO

Available with 4-wire G.SHDSL/2GS models

Nbr of VoiP channels

Available with 15-120 channels /15V to /120V models

VPN

Optional License SNSW-VPN2

SIP Registrar

3 Registrations included. Optional license SNSW-REG

Failover Relay

Available on demand with /VR models

**Please Enquire**

---

VoIPVN <http://voip.com.vn>