Product Name: Patton SmartNode SN4940/4E15V/EUI 4 T1/E1/PRI 15 VoIP Channels Gateway
Manufacturer: Patton Inalp
Model Number: SN4940/4E15V/EUI

Please Note: The Patton SmartNode SN4940 has been discontinued. For an alternative, we highly recommend the Patton SmartNode SN4970 15 Channels.

Patton SmartNode Hi-Cap 4 T1/E1/PRI VoIP Gateway, 1x GigEthernet, 15 VoIP Channels; field upgradeable to a max of 60 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 (ISDNDSS-1, NI-2, Q.SIG, CAS Robbed bitloop and ground start, E&M, immediate, wink, double wink)
• SIPv2 & MGCP/IUA, H.323v4
• ISDN AOC/ECT
• ISDN speech, audio & data (Fax Gr 4, UDI 64, RDI64)
• ISDN supplementary services

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
- 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

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