

Patton SmartNode SN4170/1E15V/EUI 1 E1/T1 PRI, 15 VoIP calls (upgradeable to 30V), 15 SIP Sessions (SIP B2B calls) VoIP Gateway

Product Name: Patton SmartNode SN4170/1E15V/EUI 1 E1/T1 PRI, 15 VoIP calls (upgradeable to 30V), 15 SIP

Sessions (SIP B2B calls) VoIP Gateway

Manufacturer: Patton Inalp

Model Number: SN4170/1E15V/EUI

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The Patton SN4170/1E15V/EUI VoIP Gateway is the next-generation ISDN T1/E1 model of the proven market-leading SmartNode VoIP product family. It fits perfectly the requirements of small and medium-sized enterprises looking for cost-effective ways to bridge PBX systems on multiple sites or connect them to a public Internet telephony service. SmartNode's unique high-precision clock*** delivers first-line IP telephony service in demanding ISDN and DECT environments, along with reliable FAX and modem performance. Providing one T1/E1, one Gigabit Ethernet port, and up to 30 VoIP calls, the SN4970 delivers a reliable, cost-effective solution for the Enterprise.

Patton SN4170/1E15V/EUI Key Features

- From 15 to 30 VoIP calls—One ISDN PRI T1/E1 port. Up to 30 G.722, T.38 or G.711 calls simultaneously. Optionally SRTP** support for 30 calls.
- Full Telephony Features— SessionRouter allows flexible call routing and numbering plan adaptations, CLIP/CLIR, hold, transfer, 3-way conferencing (Roadmap) and much more.
- Management & Provisioning— Web-based management, WEB Wizard, SNMPv3, command line interface, auto-provisioning, separate config domain support, secure provisioning for configuration & software upgrades.
- Network Connectivity— One 10/100/1000 Ethernet port with auto MDI-X Ethernet. Supports VLAN, TOS and Diffserv tagging. Basic IPv6 support. Full VoIP protocol support—SIPv2, SIP v2 over TLS**, ISDN, DSS1, NI-2, QSIG**, T.38, G.722 HD voice, RTP Security with SRTP**, fax and modem bypass, DTMF relay.
- Outstanding Interoperability—Interoperable for voice and T.38 fax with leading SIP service providers, soft-switch vendors, and various IP-PBXs. Class A Compliance—All models with external (EUI) power supply.
- High Precision Clock (HP) Option—DECT PBX interoperability and improved fax performance with Stratum 3 CO quality clock (HP)***.
- Supported by SmartNode™ Redirection Service—A free service enabling zero-touch mass deployments for Service Providers and Distributors with auto-provisioning servers (Learn More).

Patton SN4170/1E15V/EUI - Technical Specifications

Voice Signaling

- SIPv2
- SIPv2 over TLS**
- SIP call transfer, redirect
- Overlap or en-bloc dialing
- DTMF in-band, out-of-band
- Configurable tones

Call Routing & Services

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- Regular expression numbermatching
- Regular expression numbermanipulation
- Least Cost Routing
- Number blocking
- Short-Dialing
- Digit collection
- Distribution- and Hunt-Groups

ISDN

- One E1/T1 PRI port, RJ-45 (NE/TE)
- DSS1, Q.921, Q.931, NI-2
- HP*** High Precision Clock
- Stratum 3 CO
- Optional QSIG support**

Voice Processing

- G.722
- G.722.2 WB-AMR
- G.711m/A-law
- G.723.1 (6.4Kbps)
- G.729, 729a, 729ab (8 kbps)
- G.726 (16, 24, 32, 40 kbps)
- iLBC at 13.33 & 15.2 kbps
- G.168-2004 echo cancellation (128 ms)
- 30 simultaneous HD voice
- G722, G.711 or T.38 fax calls
- 30 calls with SRTP
- Transparent ISDN data
- Up to 512 SIP to SIP calls****
- Silence suppression and comfort noise
- Adaptive and configurable dejitter buffer
- Configurable packet length

Packet Tagging and VLAN

- IEEE 802.1p, IEEE 802.1Q, 4096 VLANs
- (Tag insertion/deletion), TOS, DiffServ Labeling

Connectivity

- One 10/100/1000Base-T
- Ethernet port
- Auto-MDIX
- 1 USB 2.0 host port
- DHCP Client
- DHCP Server
- PPPoE Client (multi-session)
- VLAN support
- IPv4

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- Basic IPv6
- ICMP
- ACL
- DNS, DynDNS
- SNTP Client

Management

- Web-based GUI
- WEB Wizard
- Fully Documented CLI
- Telnet and HTTP access
- TFTP, HTTP, HTTPS configuration up-and download
- TFTP, HTTP, HTTPS firmware upgrade
- SNMPv3 agent
- Separate config domain (LAN
- side config and WAN side config) (MIB II and private MIB)
- Built-in diagnostic tools
- Secure Auto-Provisioning with built in root CA

Power & Packaging

- Power Consumption < 10W
- Desktop/Wallmount plastic chassis

Physical

- Size: 20.8W x 3.4H x 16.5D cm (8.2W x 1.3H x 6.5D in.)
- Weight: <450g (15.9 oz)

Environment

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

Compliance

- FCC Part 15, Class A
- EN55022, Class A
- EN55024 Safety
- UL60950-1/CSA C22.2 No. 60950-1
- IEC/EN 60950-1, 2nd edition
- AS/NZS 60950-1

Please Enquire
