

# Patton SmartNode SN5570/1E30VHP/EUI ESR, with 1 E1/T1 PRI, 30 VOIP calls, 15 SIP Sessions (SIP back-to-back calls) Session Border Router

Product Name: Patton SmartNode SN5570/1E30VHP/EUI ESR, with 1 E1/T1 PRI, 30 VOIP calls, 15 SIP Sessions (SIP back-to-back calls) Session Border Router

Manufacturer: Patton Inalp

Model Number: SN5570/1E30VHP/EUI

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The Patton SmartNode SN5570/1E30VHP/EUI Session Border Router bridges a wide range of IP-PBX products to their SIP Trunk service providers. With its built-in Security features such as SIP TLS, SRTP, Stateful Firewall and Secure provisioning, it protects the LAN networks from fraud strikes out of the Internet. The unique Web Wizard, enables an easy and hassle-free installation, and enables technical people to create their own Web interface. With the separate config domain feature, the SN5530 will be the service demarcation point for SIP Trunk service providers. Where the local administrator can only modify configuration settings facing the LAN IP PBX. The SN5570 can also be used to do VoIP call transcoding for up to 16 calls.

Patton SmartNode SN5570/1E30VHP/EUI Key Features

- From 15 to 30 VoIP calls&mdash;1 or 2 ISDN E1/T1 PRI ports. Up to 30 simultaneous G.722, T.38 or G.711 ISDN to VoIP calls. Including SIP TLS and SRTP support for 30 calls. Or up to 16 SIP-to-SIP transcoded calls.
- Full VoIP protocol support&mdash;SIPv2, SIPv2 over TLS, ISDN, DSS1, NI-2, QSIG\*\*, T.38, G.722 HD voice, RTP Security with SRTP, fax and modem bypass, DTMF relay. SIP to SIP transcoding for up to 16 calls, non transcoding up to 512\*\*\*\* calls.
- Full Telephony Features&mdash;SessionRouter allows flexible call routing and numbering plan adaptations, CLIP/CLIR, hold, transfer, 3-way conferencing (Roadmap) and much more.
- Complete Access Routing &mdash;Two 10/100/1000 Ethernet ports with auto MDI-X. Ethernet Layer 2 switching and bridging. Access router with NAT, Policy Based Routing, Stateful Firewall, PPPoE, DHCP, DynDNS.
- Management & Provisioning&mdash;Web-based management, WEB Wizard, SNMPv3, command line interface, auto-provisioning, separate config domain support, secure provisioning for configuration & software upgrades.
- Outstanding Interoperability&mdash;Interoperable for voice and T.38 fax with leading SIP service providers, softswitch vendors, and Asterisk&trade; IP-PBX. Class A Compliance&mdash;All models with external (EUI) power supply.
- High Precision Clock (HP) Option&mdash;DECT PBX interoperability and improved fax performance with Stratum 3 CO quality clock (HP)\*\*\*. Supported by SmartNode&trade; Redirection Service&mdash;A free service enabling zero-touch mass deployments for Service Providers and Distributors with auto-provisioning servers (Learn More).

Patton SmartNode SN5570/1E30VHP/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

# Patton SmartNode SN5570/1E30VHP/EUI ESRB, with 1 E1/T1 PRI, 30 VOIP calls, 15 SIP Sessions (SIP back-to-back calls) Session Border Router

## Call Routing & Services

- Regular expression number matching
- Regular expression number manipulation
- Least Cost Routing
- Number blocking
- Short-Dialing
- Digit collection
- Distribution and Hunt-Groups

## ISDN

- 1 or 2 E1/T1 PRI ports\*\*\*, RJ-45 (NE/TE)
- DSS1, Q.921, Q.931, NI-2
- HP\*\*\* High Precision Clock Stratum 3 CO
- Lifeline Bypass Relay\*\*\*
- 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
- 16 SIP to SIP transcodec calls
- Up to 512 SIP to SIP calls\*\*\*\*
- Silence suppression and comfort noise
- Adaptive and configurable dejitter buffer
- Configurable packet length

## IP Quality of Service

- Voice priority, DownStreamQoS&trade;
- Traffic Management, shaping policing
- IEEE 802.1p, IEEE 802.1Q, 4096 VLANs
- (Tag insertion/deletion), TOS, DiffServ Labeling

## Connectivity

- Two 10/100/1000Base-T Ethernet ports
- Auto-MDIX
- 1 USB 2.0 host port
- DHCP Client

# Patton SmartNode SN5570/1E30VHP/EUI ESR, with 1 E1/T1 PRI, 30 VOIP calls, 15 SIP Sessions (SIP back-to-back calls) Session Border Router

- DHCP Server
- PPPoE Client (multi-session)
- IP Multi-Netting, VLAN
- IPv4
- Basic IPv6
- ICMP
- Dynamic and static NAT and NAPT
- ACL, Stateful Firewall
- 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°&deg;F (0°&deg;C)
- Operating humidity: up to 90%, non-condensing

## Compliance

- EMC: EN55022 and EN5502
- Safety: EN 60950
- CE
- FCC Part 15 Class A; Part 68;
- CS-03

**Please Enquire**

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