

# Patton SmartNode SN5530/4BIS8VHP/EUI Enterprise Session Border Router - 4 BRI, HPC, 8 VoIP calls



Product Name: Patton SmartNode SN5530/4BIS8VHP/EUI Enterprise Session Border Router - 4 BRI, HPC, 8

VoIP calls

Manufacturer: Patton Inalp

Model Number: SN5530/4BIS8VHP/EUI

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The Patton SmartNode SN5530/4BIS8VHP/EUI Enterprise Session Border Router - 4 BRI, HPC, 8 VoIP calls, is a cost effective ESBR with up to 4 BRI ports supporting a high level of VoIP and network security. It is capable of up to 512 SIP to SIP calls\*\*\* and max. 4 transcoded SIP to SIP calls\*\*. With its built-in QoS functionalities and support of G.722 high definition codec, an excellent VoIP call quality will be guaranteed.

Patton SmartNode SN5530/4BIS8VHP/EUI Key Features

- Full VoIP protocol support - SIPv2, SIP v2 over TLS, T.38, G.722 HD voice, RTP Security with SRTP, fax and modem bypass, DTMF relay. Up to 512 SIP to SIP calls\*\*\*.
- 2/4 Ports Quality ISDN VoIP - 2 or 4 ISDN BRI S0 ports. Supports ISDN, DSS1, and QSIG\*\*\*. Up to 5 G.722 or up to 8 T.38 or G.711 calls simultaneously. Using SRTP, up to 5 simultaneous calls.
- Full Telephony Features - SessionRouter allows flexible call routing and numbering plan adaptations, CLIP/CLIR, hold, transfer, 3-way conferencing (roadmap) and much more.
- Outstanding Interoperability - Interoperable for voice and T.38 fax with leading SIP service providers, soft-switch vendors, and Asterisk&trade; IP-PBX.
- Complete Access Routing - 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 Web-based management, WEB Wizard, SNMPv3, command line interface, autoprovisioning separate config domain support, secure provisioning for configuration and software upgrades,
- High Precision Clock Option - DECT PBX interoperability and improved fax performance with Stratum 3 CO quality clock (HP)\*\*.

The SmartNode 5530 Enterprise Session Border Router comes with built-in security features such as SIP TLS, SRTP, Stateful Firewall and secure provisioning, to protect the LAN networks from fraud strikes out of the Internet. The unique WEB Wizard enables an easy and hassle free installation, and gives the possibility to technical people creating 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.

Patton SmartNode SN5530/4BIS8VHP/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

# Patton SmartNode SN5530/4BIS8VHP/EUI Enterprise Session Border Router - 4 BRI, HPC, 8 VoIP calls

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

## ISDN

- 2/4 BRI S0 ports\*\*, RJ-45
- NT/TE configurable per port
- Built-in line power on each port (total 4W)
- DSS1, Q.921, Q.931. NTT-64
- HP\*\* High Precision Clock
- Stratum 3 CO
- Point-point and point-multipoint
- Lifeline Bypass Relay
- Optional QSIG support\*\*\*

## Voice Processing

- G.722
- G.722.2 WB-AMR
- G.711m/A-law
- G.723.1 (6.4 kbps)
- 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)
- 4/8 simultaneous low-bandwidth voice or T.38 fax calls
- 2/5 HD calls with SRTP
- Up to 512 SIP to SIP calls\*\*\*
- Up to 4 SIP transcoded calls\*\*
- Transparent ISDN data
- 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

# Patton SmartNode SN5530/4BIS8VHP/EUI Enterprise Session Border Router - 4 BRI, HPC, 8 VoIP calls

- Ethernet ports
- USB 2.0 host port
- Auto-MDIX
- DHCP Client
- PPPoE Client (multi-session)
- IP Multi-Netting, VLAN,
- Secondary IP
- IPv4, Basic IPv6
- ICMP
- Dynamic and static NAT and
- NAPT
- ACL, Stateful Firewall
- DNS, DynDNS
- DHCP Server
- SNTP Client

## Management

- Web-based GUI
- 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 Consumption

- 10W

## Packaging

- Desktop/Wall-mount plastic chassis

## Dimensions

- 8.2W x 1.3H x 6.5D in. (20.8W x 3.4H x 16.5D cm)

## Weight

- 450g (15.9 oz)

## Environment

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

## Compliance

# **Patton SmartNode SN5530/4BIS8VHP/EUI Enterprise Session Border Router - 4 BRI, HPC, 8 VoIP calls**

- FCC Part 15 Class A (US EMC)
- CE per RTTE 99/5/EC (EMC and LVD)

Safety

- EN60950
- TBR-3 (ISDN BRI/So)

**Please Enquire**

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