

Patton SN5300/4B/EUI Session Border Controller



Product Name: Patton SN5300/4B/EUI Session Border Controller

Manufacturer: Patton Inalp

Model Number: SN5300/4B/EUI

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Patton's SmartNode 5300 ESBR is a CPE based Session Border Controller, delivering the features you need for advanced multiservice voice and data network applications. It combines highly flexible SIP routing and manipulation features with powerful quality of service IP routing functions to build professional and reliable VoIP and data networks.

The SN5300 enables Universal SIP Trunking and provides a single Integrated Access Device with features like IP Routing, VoIP and IP Security and a SIP registrar for survivability. The SN5300 connects to the IP-PBX or UC system in the Enterprise's LAN and to an Internet telephony service provider (ITSP), creating a single conduit for multimedia components including voice, video, and data. Whether it is a new installation or an existing deployment, this device will aid you in, deploying, troubleshooting, logging, and security while increasing the flexibility of your network.

Patton SN5300/4B2G/EUI Key Features

- IP Routing —Policy Based Routing, Protocol Based Routing, Packet Length Routing, Packet Filtering

- QoS and Security—Deliver secure, toll-quality voice communications with Patton's UpStreamQoS with adaptive traffic management and shaping as well as policy based routing and extended ACL capabilities.

- Ethernet—4 port Fast Ethernet BaseT 10/100 (routable and switchable)

- WAN Access—Support for G.SHDSL EFM/ATM 4-wire and 8-wire interfaces

- Trinity OS—Patton's Linux based multi-service OS with call-control and signaling features

- Flexible mounting options—Desktop and integrated wall-mount options in a compact modern enclosure

Patton SN5300/4B2G/EUI Technical Specifications

Why SmartNode?

- Patton Quality

- Made in the USA

- Unrivalled Customer Support

- FREE Support and Upgrades

G.SHDSL (ATM/EFM)

- Support ITU-T G.991.2/G.994.1 standards

- Support ITU-T G.998.1 (G.bond)

- TC-PAM line modulation 16/32 and 64/128

- CO or CE Mode

- OAM IEEE 802.3 chapter 57 compliant

- IEEE 802.3 2Base-TL (aka 802.3ah) compliant

- Rate negotiating/manually rate adaptation configuration

- —8 wire mode auto detect

- Data rate selections: Up to Nx239 (5.7 Mbps) per pair

- Support bonding based on EFM

- Line interface: up to 4 pairs on a single RJ45 connector

Physical Features

- 4 port Fast Ethernet Base-T 10/100 (routable & switchable)

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- 1 G.SHDSL port for EFM transmission (factory options for 2 or 4 pair)
- 1 RS-232 Console port
- 1 USB port

VoIP Features

- SIPv2/SIPv2 over TLS
- Inbound and outbound SIP Registration
- B2BUA Abilities
- SIP Protocol Normalization
- SIP Header Manipulation
- Call-Routing (source, destination, time, date, ...)
- Multiple SIP Trunk support
- Call Hunt- and Ringgroups

IP Addressing & Routing

- NAT/NAPT
- DHCP Client/Server/Relay
- DNS Relay/Server/Client
- IPv4/IPv6
- Full Policy Based Routing (PBR) Support
- PPPoE

Security

- Stateful Firewall
- Extended ACLs
- Radius Authentication
- SSH/TLS

Switching and Quality of Service

- IEEE 802.1D
- 802.1Q/802.1P
- Link Scheduling

Capacity

4 SIP Sessions, license upgradeable up to 250

Voice Processing

- transparent to the RTP payload and all codecsno transcoding (use SN5480 for transcoding)

Management Features

- SNMP v1, v2, v3
- Telnet/SSH/RS-232
- HTTP/HTTPS/Provisioning
- SYSLOG
- TACACS +
- TFTP, HTTP and HTTPS File Management
- Quality of Service

Voice priority

Patton SN5300/4B/EUI Session Border Controller

• DownStreamQoS™ (Roadmap)
• UpStreamQoS™
• Traffic management, shaping and policing
• IEEE 802.1p, TOS, DiffServ labeling
• IEEE 802.1Q, VLAN tag insertion/deletion (4096 VLAN IDs, multiple VLAN support)

Temperature

• Temp: 32–104°F (0–40°C)

Humidity

• Humidity: Up to 90% (non condensing)

Physical and Power

• 7.3 x 6.6 x 1.62 inch
• 181g (0.4 lbs)
• 0 to 50° C
• External PSU AC: 100 to 240 VAC

Compliance

• FCC Part 15A
• CE Mark

Please Enquire
