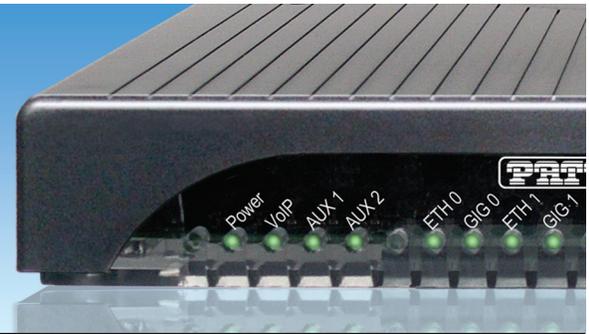


Enterprise Session Border Controller

Model 5500



The SmartNode 5500 Series of Enterprise Session Border Controllers supports up to 200 SIP-to-SIP calls (up to 16 of which can be transcoded* SIP to SIP calls). Service demarcation is key for high quality and reliable services, even in All-IP networks. State-of-the-art security and quality guaranteed.

IP Routing

Policy Based Routing; Protocol Based Routing; Packet Length Routing; Packet Filtering

Advanced Local Call Switching

Virtual interfaces and routing tables provide industry leading flexibility in call handling programming. Local call switching, soft fallback to alternative routes. Simultaneously connects to multiple SIP services/IP PBXs. Includes SIP TLS/SRTP.

Network Monitoring

Embedded Packet Smart Agent for network monitoring and assessment 24x7**.

Proprietary OS

Utilizes proprietary Trinity™ software for enhanced security.

Easy Management & Provisioning

HTTPS zero-touch provisioning, TR-069, WebWizard, SNMP, command line interface.

Automated mass provisioning with dual software image for efficient large-scale deployments.

Full VoIP protocol support

SIPv2, SIPv2 over TLS, 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, softswitch vendors, and major IP-PBX manufacturers.

Why SmartNode?

- Patton Quality
- Swiss Engineered—Made in the USA
- Unrivaled Customer Support
- FREE Software Upgrades

Connect with confidence using the SmartNode 5500 Series eSBC with an integrated enterprise router to a SIP trunk or hosted PBX service. The SN5500 supports up to 200 SIP to SIP calls—16 out of which can be codec transcoded*—for reliable remote/branch office connectivity, and enhanced All-IP carrier services.

The SN5500 acts as eSBC, access router, and QoS CPE all in one device. It can also undertake network assessment and monitoring at the customer premise utilizing the PacketSmart™ agent to prevent, reduce, and resolve network and voice quality problems.

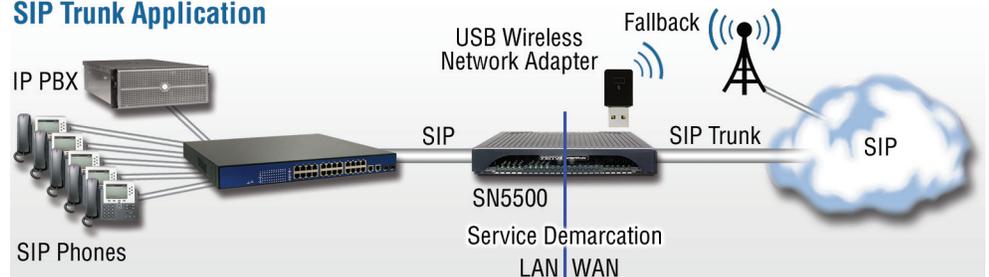
Network Integration

Whether used as an Enterprise Session Border Controller or IP router, the SmartNode 5500 provides excellent VoIP, IP QoS, and security features for seamless network integration.

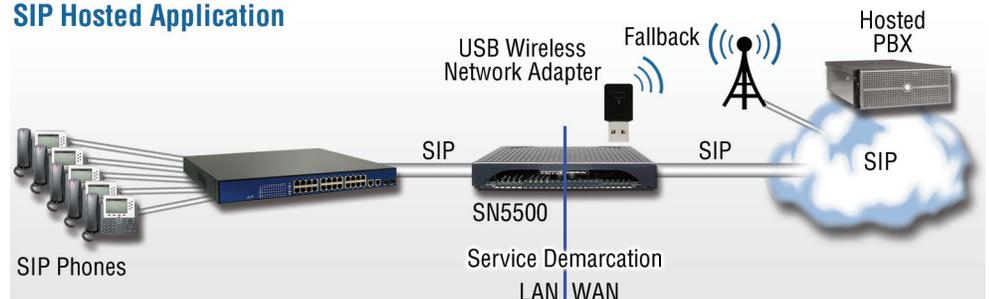
Thanks to the built-in SIP back-to-back user agent, it resolves technology evolution related problems by normalizing SIP traffic from different vendor implementations. In addition, enhanced security is given to the enterprise thanks to various features protecting the LAN infrastructure. Number manipulation and call routing options come standard with every Patton eSBC.

Visit www.patton.com/smartnode for more information.

SIP Trunk Application



SIP Hosted Application



SmartNode™ Model 5500 Enterprise Border Controller



Specifications

Call Capacity

- Up to 200 SIP to SIP calls***
- Up to 16 transcoded* SIP to SIP calls

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

Voice Processing

- G.722
- G.711m/A-law
- G.723.1 (6.4 kbps)
- G.729, 729a, 729ab (8 kbps)
- G.726 (16, 24, 32, 40 kbps)
- G.168-2004 echo cancellation (128 ms)*
- Up to 200 SIP to SIP calls***

- Up to 16 SIP transcoded calls*
- Silence suppression and comfort noise
- Adaptive and configurable dejitter buffer
- Configurable RTP packet length

Quality of Service

- PacketSmart™ Network Assessment & Monitoring**
- Voice priority, DownStreamQoS™
- Traffic Management, shaping policing
- IEEE 802.1p, IEEE 802.1Q, 4096 VLANs (Tag insertion/deletion), TOS, DiffServ Labeling

Connectivity

- 2 10/100/1000Base-T Ethernet ports
- 1 RS-232 Console port
- 1 USB port
- Auto-MDIX
- DHCP Client
- PPPoE Client (multi-session)
- IP Multi-Netting, VLAN, Secondary IP

- IPv4, IPv6 Dual Stack
- ICMP
- Dynamic and static NAT and NAPT
- ACL, Stateful Firewall
- DNS, DynDNS
- DHCP Server
- SNTP Client

Management

- Web/HTTPS, CLI with Telnet and SSH access
- WebWizard
- Fully Documented CLI
- Telnet and HTTPs access
- TR-069, TFTP, HTTP, HTTPS configuration up- and down-load
- TR-069, TFTP, HTTP, HTTPS firmware upgrade (dual-firmware image)
- SNMPv3, Radius, Tacacs+
- 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

- Plastic chassis
- Desktop or wall mountable

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

Safety & Compliance

- EMC compliance: EN55022 and EN55024
- Safety compliance: EN 60950
- CE compliance
- FCC Part 15 Class A
- RoHS

Specifications subject to change without notice | * Depending on model | ** Licensed Feature at additional charge | *** Supports up to 200 SIP-to-SIP calls under ideal conditions. Transcoding, debugging and/or IP Routing reduce processing capacity.



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