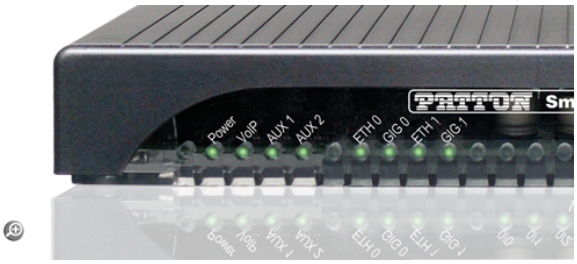
All-IP Session Border Controllers

SmartNode SN5500 eSBC + Router | 2 Ethernet ports for up to 200 SIP to SIP calls



SmartNode

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.

Overview

(/cloud/) 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.

Cloud Enabled

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 by utilizing Patton Cloud network monitoring to prevent, reduce, and resolve network and voice quality problems.

Designed and Certified Interoperable with Microsoft Teams, the SN5500 is a Direct Routing Session Border Controller. A Direct Routing SBC allows customers to choose their telecom provider and enables users to make and receive calls in Teams.

Now you can connect the SmartNode eSBC to any telephony trunk or interconnect including SIP Trunks or PSTN Trunks. All of this together with the highest converged security and call quality monitors from the cloud makes the SN5500 the best Direct Routing SBC on the market.

Features

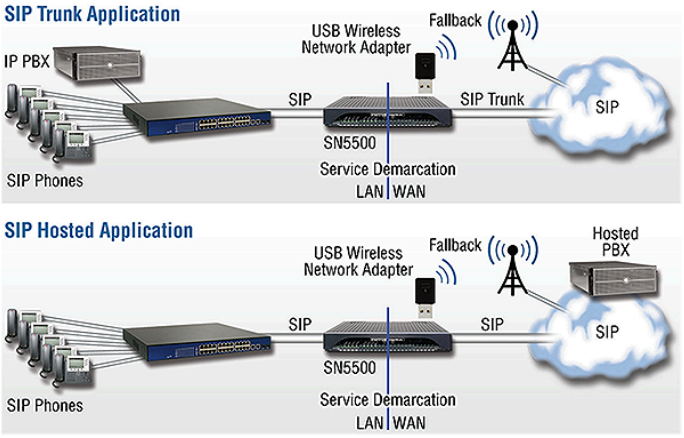
- **SIP Registrar** - License is included in **ALL** eSBC products.
- **IP Routing**—Policy Based Routing; Protocol Based Routing; Packet Length Routing; Packet Filtering
- **Advanced Local Call Switching**—Virtual interfaces and routing tables provide industry leading flexibility in call handling programming. Local call switching, soft fallback to alternative routes. Simultaneously connects to multiple SIP services/IP PBXs. Incudes SIP TLS/SRTP.
- **Network Monitoring**—Embedded Packet Smart Agent for network monitoring and assessment 24x7**
- **Auto-Provisioning**—Secure zero-touch provisioning (HTTPS) for ease of use.
- **Access link redundancy** —Through USB port, using 3G/4G Cellular Modem module (http://web.patton.intranet/products/trinity_usb_modems.a
- **Proprietary OS**—Utilizes proprietary Trinity software for enhanced security.
- **Easy Management & Provisioning**—Web Wizard, HTTPS zero touch provisioning, 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.
- **Microsoft Teams**—Direct Routing Session Border Controller for Teams.
- **Why SmartNode™?**
  - Patton Quality
  - Made in the USA
  - Unrivalled Customer Support

Applications

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.



- FREE Support and Upgrades

Ordering

All SN5500 models include the following Software Feature Licenses:

- **SIP Registrar**
- **IP Routing**
- **RTP Transcoding (except /4B model)**
- **SIP TLS (SRTP only on /8P & /16P models)**

#	Model #	Description	Availability
1	SN5501/16P/EUI	SmartNode eSBC, 16 SIP Calls transcoded or non transcoded (SIP b2b UA) upgradeable only for non transcoded SIP calls (max. 200), 2x Gig Ethernet, external UI power (100–240)	General Availability
	+ Accessories		
2	SN5501/4B/EUI	SmartNode eSBC, 4 SIP Calls non RTP transcoding (SIP b2b UA) upgradeable (max. 200), 2x Gig Ethernet, external UI power (100–240)	General Availability
	+ Accessories		
3	SN5501/8P/EUI	SmartNode eSBC, 8 SIP Calls transcoded or non transcoded (SIP b2b UA) upgradeable only for non transcoded SIP calls (max. 200), 2x Gig Ethernet, external UI power (100–240)	General Availability
	+ Accessories		