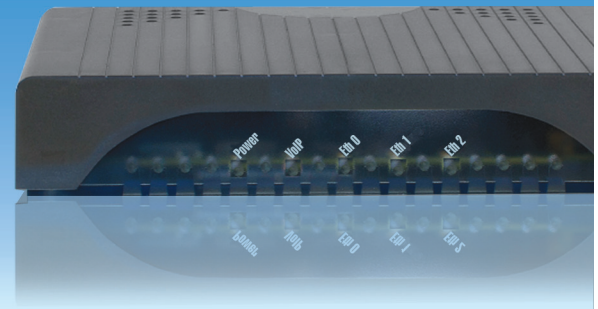


SmartNode™ eSBC

Model SN500



The Patton eSBC SN500 is the entry-level member of the SmartNode SBC family and is targeting SoHo and Small enterprises to deliver SIP demarcation, security and Call Quality monitoring in an All-IP environment. The SN500 can terminate SIP Trunks, provide access to UCaaS/Cloud IPBX services and supports up to 20** concurrent SIP calls.

SLA Monitoring

Call Quality monitoring ensures SLA is being met at the customer premise. CDR logging includes quality information, duration, Codec, etc. Accessible by Web and API (OSS/BSS integration).

VoIP Security

Network separation with SIP Back 2 Back UA, DoS prevention, trust SIP peer, Optional Signaling encryption (SIP-TLS)*, Intelligent Access Control List.

SIP Normalization & Interop

SIP-to-SIP Interworking, normalizing different, vendor specific SIP implementations. Service demarcation point, separation between networks, LAN and WAN.

SIP Endpoint Management

Endpoint provisioning and operational tools such as discovery and remote access of SIP Endpoints, maintaining VoIP Service.

Easy Management & Provisioning

Patton Cloud Orchestrated, Automated mass provisioning with HTTPS secure zero touch provisioning. Cloud based-WebWizard and software image campaign management for efficient large-scale deployments.

Proprietary Software

Utilizes proprietary Trinity™ Software for added security.

Patton's SmartNode SN500 eSBC helps delivering high quality UC services to small enterprises. The SN500 was designed to resolve complex security, interoperability, and service quality issues that Service Providers and Enterprises face.

Generally, UC Service Providers cannot control how the quality of their services arrive at the client's site. This is mainly because they do not own the transport network, which is responsible for managing QoS.

Operated, managed, and administrated through the Patton Cloud, proactive notification of customer network problems & Call Quality related issues, help reduce service downtime and increase customer satisfaction.

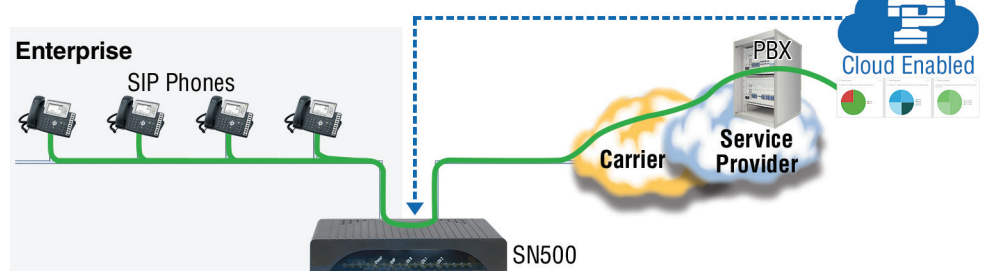
The Application

The SBC is installed at the customer premise, precisely at the network transition point, the SN500 is monitoring calls and it's quality. In case of a Call Quality Drop an e-mail or SMS notifications will be sent, triggered by Patton Cloud.

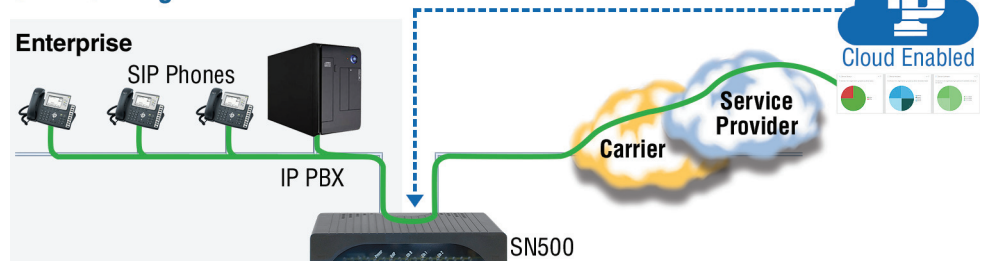
Operating SIP endpoints at a remote side can be easily done through Patton Cloud by utilizing its SIP-Endpoint provisioning and troubleshooting tools.

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

UCaaS



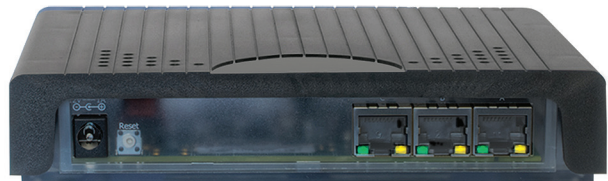
SIP Trunking



SmartNode™ eSBC Model 500



Front



Rear

Specifications

Voice Signaling

- SIPv2 over UDP/TCP or TLS
- SIP call transfer, redirect
- P-Header, X-header Support
- Overlap or en-bloc dialing
- DTMF in-band, out-of-band

Call Routing & Services

- SIP Registrar
- Regular expression number matching & manipulation
- Least Cost Routing
- Call load distribution
- Number blocking
- Short-Dialing
- Digit collection
- Distribution-Groups and Hunt-Groups
- Seamless call failover
- Detection of RTP loss

Security

- Network separation
- SIP back to back UA
- SIP – TLS
- SIP inbound & outbound authentication
- DoS detection & prevention
- Intelligent ACL
- SIP Trusted peer

- Built-in Root CAs

Call Capacity

Up to 20** SIP to SIP calls

RTP & Codec Capabilities

- Codec negotiation
- RTCP Reporting & Monitoring
- 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)
- Transparent Clear channel RFC 4040)
- iLBC 13.33k
- AMR-NB (4.75, 5.15, 5.9, 6.7, 7.4, 7.95, 10.2, 12.2 kbps)

Quality of Service

- Patton Cloud based, Advanced CDRs and Call Quality Metrics**
- Voice priority
- Up & DownStreamQoS™
- Traffic Management, shaping policing
- IEEE 802.1p, IEEE 802.1Q, 4096 VLANs (Tag insertion/deletion), TOS, DiffServ Labeling

Management

- Patton Cloud Orchestrated
- Dynamic resource licensing model (leased / floated)
- CLI local access with Telnet and SSH access
- Cloud based WebWizard
- Fully Documented CLI
- Secure Zero Touch Provisioning
- Patton Cloud based, secure Configuration & Firmware up-and download
- Secure Auto-Provisioning with built-in root CA

Connectivity

- 3 Ethernet 10/100/1000Base-T
- Auto MDI-X

IP Networking

- DHCP Client & Server
- IP Routing, DMZ
- RIPv1, GRE, BGP, VRRP
- VLAN, Secondary IP
- Switch- & Bridge group Support
- Policy, Packet and packet length Based Routing
- NAT & NATP Support

- DNS, NTP,
- PPPoE Client

Power Consumption

< 10W

Packaging

- Plastic chassis
- Desktop or wall mountable

Dimensions

4.7 x 1.52 x 5.00 in.
(106 x 390 x 127 mm)

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. * Licenses Feature (additional cost) | ** Performance numbers are subject to change
Patton Cloud based features & services depend on Cloud Service plans which are to be purchased separately



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