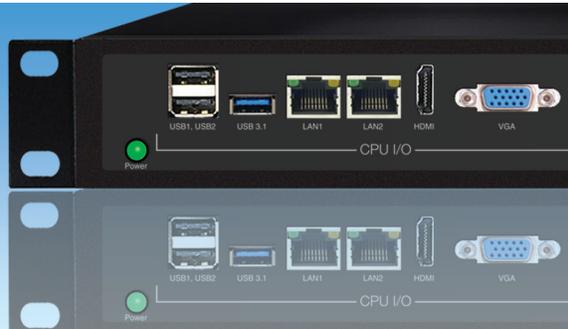


SmartNode™ Branch eXchange (SNBX)

With Integrated VoIP Gateway



With Windows 7 Embedded pre-installed you can load the Windows telephony application of your choice. SNBX supports up to 64 simultaneous calls with Patton's award-winning SmartNode VoIP Gateway built in.

Windows Telephony Appliance

- Intel Celeron J1900 Quad Core 2.0 GHz Processor
- DDR3L RAM 4GB
- 250 GB HDD

Fully Customizable

Useful for a variety of communication software IP-PBXs, IVR solution, routers, session border controllers, call recording, or call accounting.

Monitoring and Management

Leverage the Patton EMS system together with your preferred software on the SmartNode Branch Exchange to be monitored and managed.

Provisioning

Using the Patton Redirection Service, the SmartNode Branch Exchange can be provisioned with zero touch at the customer site.

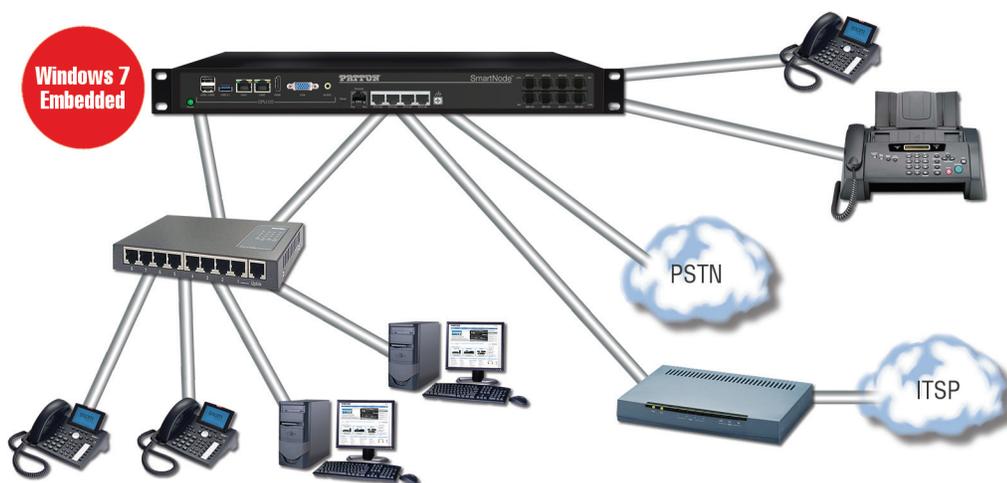
Fits Your Network

BYOP (Bring your own phone)—Choose your own hardware, whether it is IP phones or softphones, computers, tablet computers, mobile phones; no vendor lock-in..

Keep Your Existing Equipment—Built-in gateway connects existing analog/ISDN equipment.

SIP Trunks or PSTN—Save on monthly call costs using SIP Trunks or receive and make calls via the standard PSTN.

Patton's SmartNode Branch Exchange (SNBX) with Integrated VoIP Gateway is a convenient "one box" solution. With the built-in VoIP Gateway, the SNBX eliminates the interoperability obstacles for companies that want to keep their legacy equipment including PBXs, phones, fax equipment, and POTS lines. Configuration options include a range of analog FXS/FXO and/or ISDN BRI/PRI gateways coupled with the industry standard mini ITX PC board. With the ability to run any Windows based IP-PBX, IVR solution, router, SBC, call recorder, or call accounting software, alongside any one of Patton's robust Gateways, the SNBX with Integrated VoIP Gateway opens the door to endless possibilities and customer satisfaction, every time.



SNBX With Integrated VoIP Gateway



Specifications*

Capacity**

- 64 calls with Transcoding
- 128 calls with RTP Relay
- 20 cps

Gateway Capacity

Up to 120 (PRI), 16 (BRI), 8 (FXS) simultaneous VoIP or T.38 fax calls (depending on the model).

BRI Voice Connectivity

- 2/4/8 BRI So ports, RJ-45
- NT/TE configurable per port
- Built-in line power on each port (total 4W)
- DSS1, Q.921, Q.931, NTT-64
- Point-point and point-to-multipoint
- Optional QSIG support***

FXS/FXO Voice Connectivity

- Up to 4 FXS and FXO ports
- 2-wire Loopstart on RJ-11/12
- Short haul loop 1.1km @3REN
- EuroPOTS (ETSI EG201188)
- Programmable AC impedance, feeding, ring and on-hook voltage
- Caller-ID FSK and ITUV.23/Bell 202 generation
- FSK & stuttering dial tone MWI

PRI Voice Connectivity

- 1 or 4 T1/E1 PRI port(s) (NT/TE)
- Signaling support (ISDN DSS-1, NI-2, Q.SIG, CAS Robbed bit loop and ground start, E&M, immediate, wink, double wink)
- ISDN AOC/ECT
- ISDN speech, audio & data (Fax Gr 4, UDI 64, RDI64)
- ISDN supplementary services
- CAS protocols: RBS (Loop start, ground start, E&M wink, intermediate, double-wink) and R2/MFC-R2 (Q.400-Q.490 and Configurable country profiles)

LAN/WAN Connectivity

- 2 x 10/100/1000 TX Ethernet ports or 4 x 10/100Base-T Ethernet ports (depending on the model)
- Auto-MDI-X • DHCP Client
- PPPoE Client (multi-session)
- IP Multi-Netting access control lists • DMZ port

Voice Processing

- Codec G.711 a-law/mu-law, G.723, G.729ab, G.726, G727, T.38 fax relay (9.6 k, 14.4 k)

- G.711 transparent fax and bypass
- Transcoding for up to 12/15 channels (depending on model)

Call Routing and Services

- Regular expression call routing and manipulation
- Number blocking
- Short-dialing
- Digit collection, distribution and hunt groups

IP Quality of Service

- Voice priority
- Traffic management
- IEEE 802.1p, TOS, DiffServ labeling
- IEEE 802.1Q, VLAN tag insertion/deletion 4,096

Management

- Web/HTTP, CLI with local console & remote Telnet access
- TFTP configuration & firmware loading
- SNMP MIB II and product MIB
- Secure auto provisioning for firmware & unit/subscriber configuration
- Built-in diagnostic tools (trace, debug, call generator)

Processor

Intel Celeron J1900 Quad Core 2.0 GHz Processor

Memory

- DDR3L RAM 4GB
- 250 GB HDD

Ethernet

2 10/100/1000 Ethernet Ports

External Power Supply

12 VDC, 8.5 A (102 W max)

Operating Environment

- Operating Temperature: 32 to 104° F (0 to 40°C)
- Operating Humidity: up to 90%, non-condensing

Dimensions

- 19W x 1.7H x 12D in. (48.3W x 4.4H x 30.5L cm)
- Rack mountable chassis

Compliance

- EMC: EN55022 and EN5502
- Safety: EN 60950
- CE
- FCC Part 15 Class A; Part 68; CS-03

Ordering Info

Obtain ordering info for this product by using the QR code at right or by contacting:

- web: http://www.patton.com/products/product_detail.asp?id=513&tab=Ordering
- email: sales@patton.com
- tel: +1 301.975.1000



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* Specifications subject to change without notice.

** Patton bench test

*** Additional charge for licensed features