SmartNode™ Branch Exchange (SNBX)

Load the operating system and software-based IP PBX of your choice with the SNBX supporting up to 64 simultaneous calls and coming with Patton's award-winning SmartNode VoIP Gateway built-in.

Choose Your Own Software
Load the operating system and software-based IP PBX of your choice.

Industry Standard miniITX PC Board
Provides enough performance to handle up to 64 calls with transcoding (128 simultaneous calls without transcoding) and can support up to 500 extensions.

Monitoring and Management
Web GUI for device monitoring and application management. Also includes built-in SmartNode Gateway configurator.

Fits Your Network
BYOP (Bring your own phone)—Choose your own IP phones or softphones; 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.

The **SNBX** is a powerful platform that can support up to 64 simultaneous calls with RTP relay and transcoding and can support up to 500 extensions, making it the perfect platform to load your preferred operating system and software-based IP PBX.

With a 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. The SNBX provides a built-in SmartNode configuration tool to ensure setup is quick and easy.

The SNBX web GUI provides device monitoring and application management; plus, is open to third-party applications.

3CX Phone System

Break free from expensive proprietary phone systems and move up to an open standard IP PBX that increases employee productivity and costs much less.
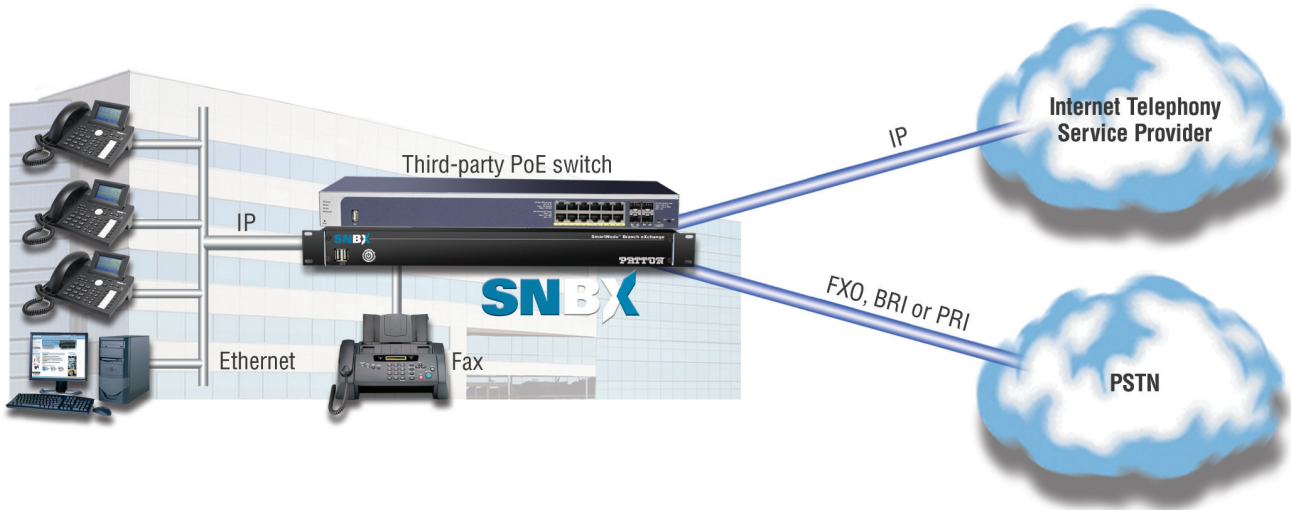
Evolve your communications by enabling employee mobility. Calls can be made and answered seamlessly from outside the office, and voicemail and faxes received via email.

Globalize your business by connecting branch offices and re-directing local customer service numbers via the internet to your phone system at negligible cost.

3CX Phone System is made to scale with your business and save you money on consultants' fees. Supported plug-and-play IP phones are simple to add with the administrator interface, and supported Patton hardware has configureation templates built right in. Overcome the limitations of hardware-based PBX systems, reduce costs significantly and add advanced communication features that will make your company more efficient and competitive!

Visit www.patton.com/smartnode for more information on SmartNode products.

Capacity

64 calls with Transcoding • 128 calls with RTP Relay • 20 cps • 100 CAPS

Gateway Capacity

Up to 24 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

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 & shuttered dial tone MWI

PRI Voice Connectivity

T1/E1/PRI port (NE/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

4 x 10/100Base-T Ethernet WAN • 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 channels

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® Atom™ Bay Trail-I E3845 Quad Core 1.91 Ghz

Memory

4GB of DDR3 RAM
250GB hard drive

Ethernet

2 10/100/1000 Ethernet Ports

External Power Supply

12 Volt 5 Amp

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

Software PBX Options

3CX with Windows

* Specifications subject to change without notice.

07SNBXVOIPG-DS3