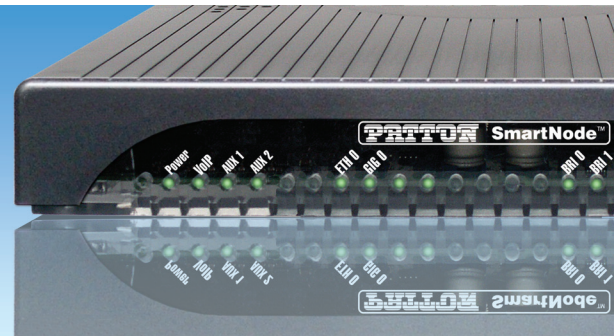


SmartNode™ ISDN BRI VoIP Gateway

Model 4130



*With up to 4 BRI ports and 8 simultaneous G.711 voice channels, the SN4130 is the best way to connect ISDN networks or ISDN terminal equipment to the world of voice over IP. With built-in security features such as HTTPS provisioning, Stateful Firewall and optional SIP-TLS** it provides business-class Internet telephony for demanding ISDN users.*

2/4 Ports Quality ISDN VoIP

2 or 4 ISDN BRI S0 ports. Up to 5 G.722 or up to 8 T.38 or G.711 calls simultaneously. Using SRTP, up to 5 simultaneous calls.

Full Telephony Features

SessionRouter™ allows flexible call routing and numbering plan adaptations, CLIP/CLIR, hold, transfer, 3-way conferencing (Roadmap) and much more.

Management & Provisioning

Web-based management, WEB Wizard, SNMPv3, command line interface, auto-provisioning separate config domain support, secure provisioning for configuration and software upgrades.

Network Connectivity

One 10/100/1000 Ethernet port with auto MDI-X. Supports VLAN, TOS and Diffserv tagging. Basic IPv6 support.

Full VoIP protocol support

SIPv2, SIP v2 over TLS, ISDN, DSS1, QSIG**, 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 Asterisk™ IP-PBX.

High Precision Clock (HP)** Option

DECT PBX interoperability and improved fax performance with Stratum 3 CO quality clock.

Why SmartNode?

- Patton Quality
- Made in the USA
- Unrivaled Customer Support
- FREE Tech Support and Upgrades

The SmartNode 4130 series are the next-generation ISDN BRI models of the proven market-leading SmartNode VoIP product family. The available 2 or 4-port configurations fit the requirements of small and medium-sized enterprises looking for a cost-effective way to bridge PBX systems on multiple sites or connect them to a public Internet telephony service.

By connecting a PSTN line and an ISDN PBX to the SmartNode, it is secured against SIP trunk outages (fallback routing). If available, the PSTN line can also synchronize the gateway. For applications without a PSTN line available, the optional ISDN HP (high precision clock) provides error-free ISDN data and fax transmissions.

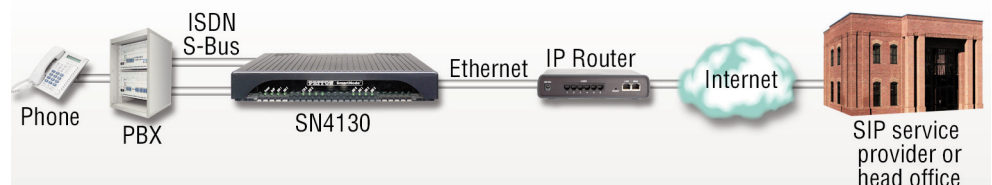
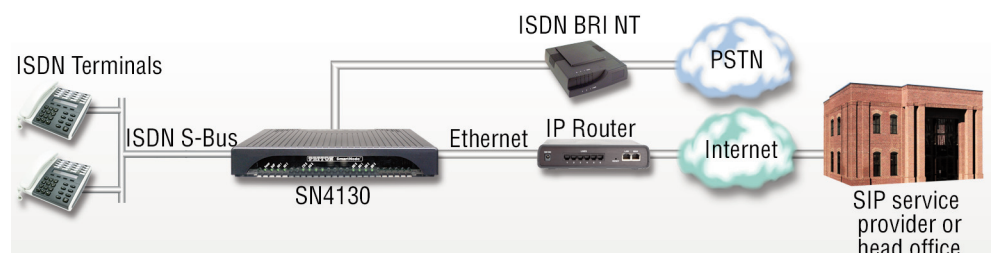
Like every Trinity SmartNode, the SN4130 comes with a built-in WEB Wizard for fast and easy configuration. You can build your own Web interface using the WEB Wizard functionalities.

Visit www.patton.com for more information.

Network Integration

The SmartNode 4130 provides excellent VoIP and security features for seamless network integration. All BRI ports are configurable to be TE or NT, you can thus connect your telco line(s) as well as a PBX or ISDN terminals.

Terminals are powered with the built-in power supply, eliminating the need for an external box. For business class IP telephony at the tip of your fingers, the SmartNode 4130 is more than just talk!



SmartNode™ Model 4130 ISDN BRI VoIP Gateway



Specifications*

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

ISDN

2/4 BRI S0 ports***, RJ-45
NT/TE configurable per port
Built-in line power on each port (total 4W)
DSS1, Q.921, Q.931, NTT-64
HP*** High Precision Clock
Stratum 3 CO
Point-point and point-multipoint

Optional QSIG support**

Voice Processing

G.722
G.722.2 WB-AMR
G.711m/A-law
G.723.1 (6.4 kbps)
G.729, 729a, 729ab (8 kbps)
G.726 (16, 24, 32, 40 kbps)
iLBC at 13.33 & 15.2 kbps
G.168-2004 echo cancellation (128ms)
4/8 simultaneous low-bandwidth voice or T.38 fax calls
2/5 HD calls with SRTP
Transparent ISDN data
Silence suppression and comfort noise
Adaptive and configurable de-jitter buffer
Configurable packet length

Packet Tagging and VLAN

IEEE 802.1p, IEEE 802.1Q, 4096
VLANs (Tag insertion/deletion),
TOS, DiffServ Labeling

Connectivity

One 10/100/1000Base-T
Ethernet port

USB 2.0 host port
Auto-MDIX
DHCP Client
PPPoE Client (multi-session)
VLAN support, Secondary IP
IPv4
Basic IPv6
ICMP
ACL
DNS, DynDNS
DHCP Server
SNTP Client

Management

Web-based GUI
WEB Wizard
Fully Documented CLI
Telnet and HTTP access
TFTP, HTTP, HTTPS configuration up- and download
TFTP, HTTP, HTTPS firmware upgrade
SNMPv3 agent
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

Desktop/Wall-mount plastic chassis

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

Compliance

FCC Part 15 Class A (US EMC)
CE per RTTE 99/5/EC (EMC
and LVD)

Safety

EN60950
TBR-3 (ISDN BRI/So)

Ordering Info

SN4130/2BIS4V/EUI: SmartNode Gateway, 2 BRI, 4 VoIP calls; no SIP transcoding; 1 Ethernet Port; 1 USB port; External 100–240 power

SN4130/2BIS4VHP/EUI: SmartNode Gateway, 2 BRI, 4 VoIP calls; no SIP transcoding; HP; 1 Ethernet Port; 1 USB port; External 100–240 power

SN4130/4BIS8V/EUI: SmartNode Gateway, 4 BRI, 8 VoIP calls; no SIP transcoding; 1 Ethernet Port; 1 USB port; External 100–240 power

SN4130/4BIS8VHP/EUI: SmartNode Gateway, 4 BRI, 8 VoIP calls; no SIP transcoding; HP; 1 Ethernet Port; 1 USB port; External 100–240 power

SNSW-SIP-TLS: SIP TLS License for SN4130 models



Patton Electronics Co.
7622 Rickenbacker Drive
Gaithersburg, Maryland 20879, USA
Phone +1 301 975 1000
Fax +1 301 869 9293
E-mail sales@patton.com
Web www.patton.com

Patton-Inalp Networks AG
Meriedweg 7
CH-3172 Niederwangen, Switzerland
Phone +41 (31) 985 25 25
Fax +41 (31) 985 25 26
E-mail we@patton.com
Web www.patton.com

Patton Hungary Zrt
Gábor Dénes utca 4., Infopark Building C
Budapest H-1117, Hungary
Phone +36 1 439 4840
Fax +36 1 439 4844
E-mail ce@patton.com
Web www.patton.com

07SN4130-DS2

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* Specifications subject to change without notice.

** Additional charges apply for licensed features

*** Depending on model