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 FXS Analog interfaces

Compact, reliable stand-alone VoIP gateway. Supports simultaneous voice or fax calls on all ports.

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.

Complete SIP and T.38 support

Complete VoIP support: SIPv2, SIPv2 over TLS, , T.38 fax, fax and modem handling, DTMF relay. HD voice codecs

Easy Management & Provisioning

WebWizard, HTTPS zero touch provisioning, SNMP, command line interface. Automated mass provisioning for efficient large-scale deployments.

Security & VoIP Quality

Open-VPN, IPSec, TLS, Fraud prevention & protection, stateful Firewall DSCP, ToS Diffserv labeling, PacketSmart[™] Network Assessment & Monitoring

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.

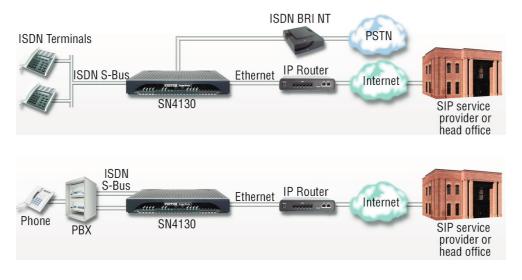
Like every Trinity SmartNode, the SN4130 comes with a built-in WEB Wizard for fast and easy configuration. You can build your own Web interface using the WEB Wizard functionalities.

Visit <u>www.patton.com</u> 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!





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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 dejitter 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

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

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=519&tab=Ordering memail: sales@patton.com tel: +1 301.975.1000

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* Specifications subject to change without notice.

** Additional charges apply for licensed features

*** Depending on model

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