

# Patton SmartNode SN4671 G.S IAD, 4 BRI, 8 FXS, 16 VoIP calls



Product Name: Patton SmartNode SN4671 G.S IAD, 4 BRI, 8 FXS, 16 VoIP calls

Manufacturer: Patton Inalp

Model Number: SN4671/4BIS8JS16V2GS/EUI

Patton SmartNode SN4671 G.S IAD, 4 BRI, 8 FXS, 16 VoIP calls; 4 LAN/WAN Ethernet Ports ; 4-wire G.SHDSL, External 100-240 power, high-precision clock

The Patton SmartNode SN4671 G.S IAD, 4 BRI, 8 FXS, 16 VoIP calls offers Broadband Providers flexible combinations of ISDN BRI, analog FXS/FXO, and Ethernet/IP interfaces with G.SHDSL, fiber, or ADSL broadband access to deliver a unique, single box CPE solution allowing Enterprises to IP-enable their legacy ISDN-PBX and analog phone/fax/answering machine and audio-intercom systems. Providing 4 Ethernet, 4 BRI and 4 FXS, 4 FXO ports the Patton SmartNode SN4671 G.S IAD, 4 BRI, 8 FXS, 16 VoIP calls inter-connects any Ethernet switch, ISDN PBX or IP-data network to support 8 to 16 simultaneous VoIP calls using SIP, FXS/FXO or BRI signaling. In addition, the built-in 11.4-Mbps 4-wire G.SHDSL, 100-Mbps fiber, or 24-Mbps ADSL interface provides seamless WAN access.

Like every SmartNode, the Patton SmartNode SN4671 G.S IAD, 4 BRI, 8 FXS, 16 VoIP calls supports every industry-standard CODEC to deliver toll-quality voice on every call. Adding session border controller capabilities, the SN4671 includes IP transcoding for up to 8 SIP channels. The Unified Communications Agent (UCA) provides any-to-any multi-path switching (simultaneous SIP, H.323, ISDN, and POTS calls with routing and conversion between TDM/PSTN and IP/Ethernet networks—plus T.38 and SuperG3 FAX). VoIP-over-VPN with voice encryption provides secure voice and data via IPsec with AES/DES strong encryption and automated keying via Internet Key Exchange (IKE). In addition, advanced call-router functionality includes least-cost call routing with flexible dialed-number plan support. The SmartNode survivability suite combines PSTN fallback, SIP Registrar and IP-link redundancy to ensure business continuity in case the IP network fails. Patton's DownStreamQoS delivers the advantage of clear, uninterrupted voice-and-data communication. Furthermore, SmartNode's unique high-precision clock delivers first-line IP telephony service in demanding ISDN and DECT environments with reliable FAX and modem performance. In addition, SmartNode delivers a smooth transition to VoIP with strong number portability support accepting incoming calls from the PSTN throughout the VoIP service provider's number porting process. The Patton SmartNode SN4671 G.S IAD, 4 BRI, 8 FXS, 16 VoIP calls reduces hardware costs, simplifies network architecture, and streamlines service and deployment for service providers. Providing BRI, FXS/FXO, and 10/100 Ethernet with G.SHDSL, fiber, or ADSL broadband access in a single box.

Technical Specifications \*

Capacity:

- Up to 16 simultaneous VoIP or T.38 fax calls (depending on the model)

BRI Voice Connectivity:

- NT/TE configurable per port
- Built-in line power on each port (total 4W)
- DSS1, Q.921, Q.931. NTT-64
- Point-point and pointmultipoint
- Optional QSIG support\*

FXS/FXO Voice Connectivity

- 4 FXS 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

## 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

## LAN/WAN Connectivity

- 4 x 10/100BaseT Ethernet WAN
- Auto-MDI-X
- DHCP Client
- PPPoE Client (multi-session)
- IP Multi-Netting access control lists
- DMZ port

## Broadband Access

- G.SHDSL: 4-wire G.SHDSL ITU-T G.991.2, Annex A,B, F, G
- Up to 11.4 Mbps
- PPPoE
- 8PVCs, each UBR, CBR or VBR-rt selectable
- I.610 OAM F4/F5 support
- G.994.1

## ADSL:

- ADSL2+ ITU-T G.992.5, Annex A, M, B
- Up to 24 Mbps
- PPPoE
- PPPoA
- IPoA
- 8 PVCs, each UBR, CBR or VBR-rt selectable
- I.610 OAM F4/F5 support
- G.994.1 (G.hs)
- Fiber: SFP slot for fiber WAN uplink
- 100Base-T and GigE support
- Up to 8 VLANs
- PPPoE

## IP Quality of Service:

- Voice priority
- DownStreamQoS
- traffic management, shaping policing

# Patton SmartNode SN4671 G.S IAD, 4 BRI, 8 FXS, 16 VoIP calls

- 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)

## Power & Packaging:

- Desktop metal chassis

## Dimensions:

- 11.0W x 1.5H x 7.0 D in. (28.0W x 3.9H x 18.0D cm)

## Weight:

- 1kg

## Internal Power:

- 100~240VAC (50/60 Hz)

## Power Consumption:

- 15W

## Operating Temperature

- 32 to 104° F (0 to 40° C)

## Operating Humidity

- up to 90%, non-condensing

## Compliance

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

\* Please Note the Technical Spec covers the entire Patton SmartNode 4670, 4671 range.

**Price: £1,275.91**

---