Patton SmartNode SN4120/1BIS/EUI 1 port ISDN BRI Gateway



Product Name: Patton SmartNode SN4120/1BIS/EUI 1 port ISDN BRI Gateway
Manufacturer: Patton Inalp
Model Number: SN4120/1BIS2V/EUI

Patton SmartNode SN4120/1BIS/EUI 1 port ISDN BRI Gateway
SN4120/1BIS/EUI: SmartNode ISDN BRI PSTN VoIP Gateway, 1 BRI/So TE, 2voice/fax calls, 1x 10/100 Ethernet, external UI power (100–240 VAC), 1-year warranty.
Enables any IP-PBX and UC System to connect to the public ISDN Network. The compact, reliable design provides afeature rich and flexible integration of BRI lines into any VoIP system at an affordable price.

The Patton SmartNode Gateway series is Microsoft Lync compatible.

Up to Four Simultaneous SIP or T.38 CallsWith 1/2 ISDN So BRI ports and one 10/100Base-TX Ethernet port.
Proven InteroperabilityStandard ISDN compliant and Interoperable with a wide range of IP-PBX and Unified Communication Systems.
Comprehensive Signaling Protocol SupportSupports SIP, H.323, ISDN telephony plus T.38 and SuperG3 FAX over TDM/PSTN and IP/Ethernet services simultaneously.
Transparent ISDN FeaturesComplex number manipulation and mapping for seamless integration with existing infrastructures, CLIP, CLIR, AOC, PARE, hold, transfer and much more.Management & ProvisioningBuilt-in Web-based management, SNMP, command line interface (CLI) and auto-provisioning for automated configuration distribution and software upgrades. RADIUS for call detail records (CDR) and user authentication.
The SmartNode™ 4120 ISDN BRI PSTNGateway converts up to four simultaneous phone or T.38 fax calls from SIP to ISDN BRI. It is a compact reliable standalone VoIP gateway for IP-based voice systems that delivers ISDN performance and quality.
For system integrators looking to connect a VoIP or Unified Communication solution to public or private ISDN lines, the SmartNode 4120 provides unparalleled ISDN to IP feature preservation. Like any SmartNode the 4120 provides advanced ISDN functionality such as Explicit Call Transfer (ECT) support and Advice of Charge (AOC) over SIP. Patton CPEs are interoperable with most IP PBX and Unified Communication vendors such as Asterisk, 3CX, Elastix, Microsoft, IBM, Swyx, SNOM One and many others.
Compared to PC-based solutions that combine IP PBX and a PCI BRI cards, the SmartNode has several advantages, including: installation without additional drivers or software, operation without ventilation or hard disk, scalable without limitation, and service integration without downtime. SmartNode gateways can be combined in a cluster for simple and flexible redundancy solutions not available with PCI BRI cards. System administrators don't have to learn ISDN as industry standard protocols like SIP do the job of connecting the PSTN to your VoIP system.

Typical Application

Technical Specifications
LAN Connectivity

ï¿½ 10/100Base-T Ethernet LAN
ï¿½ Auto- MDIX
ï¿½ DHCP Client
ï¿½ PPPoE Client (multisession)
ï¿½ SNTP
ï¿½ IP Multinetting
ï¿½ VLAN

IP Quality of Service

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ï¿½ IEEE 802.1p, TOS, DiffServ Labeling
ï¿½ IEEE 802.1Q, VLAN Tag insertion/deletion (4,096 VLANs)

Management

ï¿½ Web-based GUI
ï¿½ Fully documented CLI
ï¿½ Telnet and HTTP access
ï¿½ TFTP configuration upload and download
ï¿½ TFTP/HTTP firmware upgrade
ï¿½ SNMP agent, MIB II and enterprise MIB
ï¿½ Built-in diagnostic tools
ï¿½ Auto-provisioning—configuration and firmware

Fax and Modem Support

ï¿½ T.38 fax over IP
ï¿½ Fax relay and bypass
ï¿½ Modem bypass

ISDN Specification

ï¿½ 1/2 port Euro-ISDN BRI/So RJ-45, TE
ï¿½ DSS-1, Q.921, Q.931
ï¿½ Point-to-point & point-to-multipoint.

Voice Signaling

ï¿½ SIPv2
ï¿½ H.323v4
ï¿½ SIP call transfer, redirect
ï¿½ Overlap or en-bloc dialing
ï¿½ DTMF in-band & out-of-band
ï¿½ Configurable call progress tones
ï¿½ CLIP
ï¿½ CLIR
ï¿½ AOC
ï¿½ PARE

Call Routing & Services

ï¿½ Regular expression number matching
ï¿½ Regular expression number manipulation
ï¿½ Least Cost Routing
ï¿½ Number blocking
ï¿½ Short-Dialing
ï¿½ Digit collection
ï¿½ Distribution-Groups & Hunt-Groups
ï¿½ 2nd call offering

Voice Processing

ï¿½ G.723.1 (5.3/6.3 kbps)
ï¿½ G.729, G.729a,

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ï¿½ G.729ab (8 kbps)
ï¿½ G.726 ADPCM (16,
ï¿½ 24, 32, 40 kbps)
ï¿½ G.168 echo cancellation (25 ms)
ï¿½ Transparent ISDN data
ï¿½ Silence suppression and comfort noise
ï¿½ Adaptive and configurable dejitter buffer
ï¿½ Configurable packet length

Power Consumption

ï¿½ < 4W

Dimensions

ï¿½ 20.8W x 3.4H x 16.5D cm (8.2W x 1.3H x 6.5D in.)

Weight

ï¿½ < 450 g (15.9 oz)

Operating Temperature

ï¿½ 0 to 40°C (32 to 104°F)

Humidity

ï¿½ Up to 90%, non condensing

Compliance

ï¿½ FCC Part 15 Class B (US EMC)
ï¿½ CE per RTTE 99/5/EC (EMC and LVD)
ï¿½ Safety EN60950
ï¿½ TBR-3 (ISDN BRI/So)

Please Enquire