Patton SmartNode SN4635/3BIS/EUI 3 BRI Dual Fast Ethernet, 4 VoIP Call VoIP Gateway

Product Name: Patton SmartNode SN4635/3BIS/EUI 3 BRI Dual Fast Ethernet, 4 VoIP Call VoIP Gateway
Manufacturer: Patton Inalp
Model Number: SN4635/3BIS/EUI

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The Patton SmartNode SN4635/3BIS/EUI 3 BRI Dual Fast Ethernet, 4 VoIP Call VoIP Gateway.series are the multi-port ISDN BRI models of the proven market-leading SmartNode VoIP product family. The available 3 and 5 BRI/So port configurations fit the requirements of small and medium enterprises looking for a cost-efficient way to network PBX systems on multiple sites or connect to a public Internet telephony service.
Patton SmartNode SN4635/3BIS/EUI Key Features

ï¿½ 3/5 Ports Quality ISDN VoIP—3 or 5 ISDN BRI So ports, 4 or 8 low-bandwidth voice or T.38 fax calls. Advanced adaptive traffic management and shaping for maximum voice quality. Voice prioritization and DownStreamQoS
ï¿½ Full Telephony Features—SessionRouter allows flexible call routing and numbering plan adaptations, CLIP/CLIR, hold, transfer, and much more.
ï¿½ Management & Provisioning—Web-based management, SNMP, command line interface, & auto-provisioning for automated configuration & SW upgrades.
ï¿½ Complete Access Routing—Two 10/100 Ethernet ports with auto MDI-X. Access router with NAT, Firewall, PPPoE, DHCP, DynDNS & VPN with IPsec*
ï¿½ Full VoIP protocol support—SIPv2, H.323v4, ISDN, DSS1, QSIG*, T.38, fax and modem bypass, DTMF relay.
ï¿½ Outstanding Interoperability—Interoperable for voice and T.38 fax with leading SIP service providers, soft-switch vendors, and Asterisk IP-PBX

The extra BRI port solves many VoIP network integration problems encountered in real-world installations. The port can synchronize the gateway and provide error-free ISDN data and fax transmissions, and it can be used as a fallback or local-breakout port for optimized call-routing and risk-free operation. With the life-line relay, the port even enables integration of an ISDN emergency terminal powered from the public ISDN.
Like every SmartNode, the 4630 Series models are state-of-the-art VoIP gateways that also provide complete access routing and IP security features. Use the SmartNode as CPE or access router on broadband access, and you can benefit from industry leading Quality of Service (QoS) features ensuring a voice quality unmatched by any IP-phone or gateway on the market.
The SmartNode 4630 is the solution for service providers and network integrators looking for a VoIP product that matches up to ISDN standards in terms of features and quality. SmartNode products provide seamless network integration, continuous trouble-free operation and cost effective deployment to protect your investments for the future.
Patton SmartNode SN4635/3BIS/EUI - Technical Specifications
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 tones

Call Routing & Services

ï¿½ Regular expression number matching

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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- and Hunt- Groups

ISDN

ï¿½ 3/5 BRI So ports, RJ-45
ï¿½ NT/TE configurable per port
ï¿½ Built-in line power on each port (total 4W)
ï¿½ DSS1, Q.921, Q.931. NTT-64
ï¿½ Point-point and point-multipoint
ï¿½ Lifeline Bypass Relay
ï¿½ Optional QSIG support*

Voice Processing

ï¿½ G.711m/A-law G.723.1 (6.4Kbps) G.729, 729a, 729ab (8Kbps) G.726 (16 ,24, 32, 40 Kbps) G.168 echo cancellation (25ms)
ï¿½ 4/8 simultaneous low-bandwidth voice or T.38 fax calls
ï¿½ Transparent ISDN data
ï¿½ Silence suppression and comfort noise
ï¿½ Adaptive and configurable dejitter buffer
ï¿½ Configurable packet length

IP Quality of Service

ï¿½ Voice priority, DownStreamQoS
ï¿½ Traffic Management, shaping policing
ï¿½ IEEE 802.1p, IEEE 802.1Q, 4096 VLANs (Tag insertion/deletion), TOS, DiffServ Labeling

Connectivity

ï¿½ Two 10/100bT Ethernet ports
ï¿½ Auto-MDIX
ï¿½ DHCP Client
ï¿½ PPPoE Client (multi-session)
ï¿½ IP Multi-Netting, VLAN, Secondary IP
ï¿½ IPv4, RIPv2, ICMP
ï¿½ Dynamic and static NAT and NAPT
ï¿½ ACL Firewall
ï¿½ DNS, DynDNS
ï¿½ DHCP Server
ï¿½ SNTP Client
ï¿½ Optional IPSec VPN (DES, 3DES, AES)

Management

ï¿½ Web-based GUI
ï¿½ Fully Documented CLI
ï¿½ Telnet and HTTP access

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ï¿½ TFTP configuration up- and download
ï¿½ TFTP firmware upgrade
ï¿½ SNMPv1 agent (MIB II and private MIB)
ï¿½ Built-in diagnostic tools
ï¿½ Secure Auto-Provisioning

Power & Packaging

ï¿½ Desktop metal chassis
ï¿½ Dimension: 280/39/157 mm (W/H/D)
ï¿½ Weight: < 600g
ï¿½ Power Consumption < 10W

Operating Environment

ï¿½ Operating temperature: 32 - 104°F (0 - 40°C)
ï¿½ Operating humidity: up to 90% , non condensing

Compliance

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

Please Enquire