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### **Patton Solves VoIP Interop Challenges for DECT, PBX, and FAX in ISDN Deployments**

*The high-precision clock in SmartNode™ digital VoIP IADs preserves DECT, PBX, and FAX functionality when converting ISDN telephony systems to Voice-over-IP*

*SmartNode™ VoIP... more than just talk*

**GAITHERSBURG, MD and BERN, SWITZERLAND:** Patton—the leader in business-class network access, connectivity, and VoIP equipment—together with Patton-Inalp Networks AG—creator of SmartNode™ industry-leading VoIP technology—announces new BRI and PRI VoIP product lines that ensure seamless inter-operation with Digital Enhanced Cordless Telecommunications (DECT) and PBX systems.

Patton's SmartNode™ 4961 PRI and SmartNode™ 4635/9 BRI VoIP IADs feature a high-precision clock that eliminates interoperability failures that typically occur with DECT, PBX and FAX equipment when converting ISDN systems to IP telephony. Patton's new VoIP products ensure existing systems will operate transparently and function successfully in the VoIP network.

"Transparency is critical," said John Wu, VoIP product manager, "when transitioning to VoIP services from the digital PSTN. The ISDN market demands transparent operation, yet most VoIP manufacturers don't understand how to deliver it. It took Patton's engineering and VoIP technology expertise to solve the mystery. SmartNode™ is the only standalone VoIP CPE solution that delivers true transparency in ISDN environments."

DECT, PBX, and FAX interoperability issues have presented serious challenges to integrators and service providers since the earliest ISDN VoIP installations. Building on eight years of award-winning VoIP product leadership, and offering the industry's most interoperable VoIP platform, Patton is the first and only manufacturer to produce standalone VoIP gateways that address these interoperability issues:

- **Service providers** can use SmartNode™ VoIP CPE to deliver business-class VoIP service in ISDN markets without the cost and delay of troubleshooting clock-related failures with the subscriber's PBX.
- **Enterprises** can realize the cost-reduction and network-consolidation benefits of VoIP without the expense and disruption of replacing their existing DECT PBX and phones. SmartNode™ preserves all the ISDN telephony features that ISDN users depend on and network operators require (AOC, CLIP, CLIR, UD64, overlap dialing, and fax, as well as MSN and DID). With the industry's most extensive set of advanced ISDN features, SmartNode avoids the cost and lost productivity of re-training office staff. End users can use a familiar phone system to communicate exactly as they are accustomed.

- **FAX users** can confidently send and receive long faxes up to 28 pages. Patton's high-precision clock solves the clock-synch issues that would otherwise cause fax calls to drop after 4 or five pages.

Patton has additional high-precision SmartNode™ products planned, including the SN4961 PRI IAD with G.SHDSL interface and the SN4655 BRI IAD with ADSL or G.SHDSL interface.

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### **About SmartNode™ VoIP Solutions**

SmartNode™ delivers state-of-the-art VoIP technology that integrates seamlessly with existing analog POTS and digital ISDN infrastructures. Proven interoperability with all major brands of softswitches and IP-PBXs makes it easy for carriers and enterprises to deploy future-proof VoIP systems quickly and profitably today. Thousands of SmartNode™ products are up and running in enterprise networks and carrier deployments worldwide, including one of Europe's earliest first-line VoIP services.

The SmartNode™ Unified Communication 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) combined with dial-backup and IP-link redundancy for VoIP and data survivability. The UCA also provides VoIP-over-VPN security with encrypted voice via IPsec with AES/DES strong encryption and automated keying via Internet Key Exchange (IKE), plus SIP Registrar for presence/reachability.

Scaling from 2 to 120 voice calls, SmartNode™ VoIP gateways, routers, and IADs offer every industry-standard interface, including T1/E1, PRI/BRI, FXS/FXO, V.35/X.21, Ethernet, G.SHDSL, ADSL2+, and more, while Patton's advanced DownStreamQoS™ technology delivers clear, toll-quality voice on every call. For more information about SmartNode™, go to [www.patton.com/voip](http://www.patton.com/voip).

### **About Patton-Inalp**

Inalp Networks was founded in 1998 to design, develop and market advanced Internet Protocol (IP) based multi-service platforms that deliver voice, video and data services over a converged network. Patton Electronics, Co. (Maryland, USA) and Inalp Networks AG (Bern, Switzerland) joined forces in 2002 to manufacture and market the SmartNode™ brand of advanced VoIP products. Patton-Inalp Networks AG is the VoIP competency center and Europe/Middle-East/Africa (EMEA) sales organization for Patton's business and carrier-class network access, connectivity and VoIP equipment.

### **About Patton**

Patton is a multi-national organization that manufactures voice and data-communications equipment for carrier, enterprise, and industrial networks worldwide. Incorporated in 1984, Patton markets a catalog of over 1000 products including SmartNode™ VoIP solutions that support SIP, H.323, and MGCP for analog and ISDN telephony; ForeFront™ multi-service access infrastructure solutions for TDM and IP service delivery (T1/E1, G.SHDSL, xDSL, dial-up); IPLink™ CPE solutions for last-mile/local-loop access (WAN routers, modems, remote access servers, NTUs, CSU/DSUs); CopperLink™ Ethernet Extenders; EtherBITS™ device servers; EnviroNET™ NEMA4-compliant hardened networking equipment, and a full range of network-connectivity Micro-Products (interface converters, short-range modems, multiplexers, surge protectors).

For more information or a free catalog, contact [sales@patton.com](mailto:sales@patton.com)

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