

# The Next Generation IP-PBX Solution: Nortel Communication Server 1000 IP-PBX Combined with AudioCodes Media Gateways

**Powered by AudioCodes Mediant™ 1000 & Mediant™ 2000 Media Gateways**

**N**ortel's Communication Server 1000 (CS 1000) is a server-based, full-featured IP PBX, providing the benefits of a converged network plus advanced applications and over 450 world-class telephony features. Fully distributed over IP LAN & WAN infrastructure with built-in reliability and survivability, Communication Server 1000 supports business-critical applications, including unified messaging, customer contact center, IVR, wireless VoIP and IP phones.

As a PRI gateway seamlessly integrated with the CS 1000 using the SIP protocol, AudioCodes' media gateways provide a simplified way of adding PRI trunk support to the CS 1000 system. The AudioCodes Mediant™ 1000 provides between 1 and 4 E1/T1 PRI ports, and the Mediant™ 2000 provides between 1 and 16 E1/T1 ports, allowing the easy extension of PBX and PSTN connectivity of the CS 1000 over any IP connection.

A joint solution from Nortel and AudioCodes provides the flexibility to integrate the different components from correct sources - based on SIP as an industry standard. The combination of Nortel's IP-PBX, IP-phones and applications and AudioCodes' SIP based media gateways allow for the highest flexibility and features. This solution will be available at a lower cost, will work more effectively and allow openness and interoperability in the future.

AudioCodes and Nortel have completed the Developer Program compatibility testing of AudioCodes' media gateway products and Nortel's CS 1000. This fully featured, integrated IP-PBX solution is easily installed and includes added flexibility.

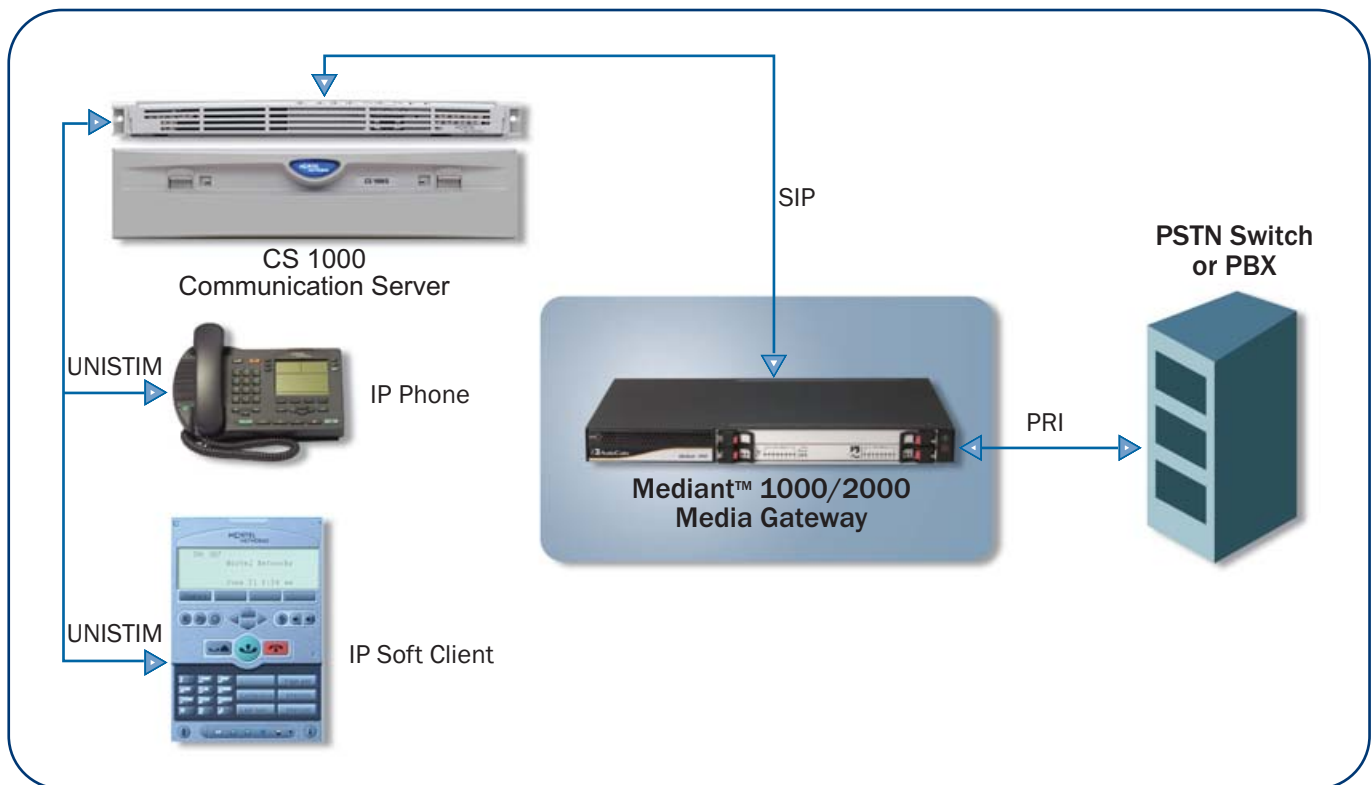
### Openness and flexibility

The AudioCodes / Nortel open solution is based on SIP as an industry standard for VoIP signaling. It includes between 1 and 16 E1/T1 PRI ports in a compact, 1U chassis. Using a standalone chassis for the media gateway, additional media gateways can be easily added, either centrally or distributed.

Each port of AudioCodes' media gateways support voice, T.38 fax and modem. In addition, low bit rate voice coders are supplied standard with the gateway.

### Power and Space

The AudioCodes Mediant™ 2000 can host up to 16 E1/T1 ports in a single, 1U, 50W unit. Stacking more than one unit together can provide improved port density and lower power consumption.



### **Voice Quality**

AudioCodes' Mediant family of media gateways are based on the AudioCodes' VoIPerfect™ architecture, which was proven by ETSI to provide best voice quality. Features like Echo Cancellation, Dynamic adaptive jitter buffer, Silence suppression and Comfort noise generation provide maximum voice quality while preserving network bandwidth.

### **Cost Effectiveness**

The combined Nortel/AudioCodes solution demonstrates major savings in capital expenses and operational expenses for the enterprise. The openness and interoperability of the solution allows the enterprise to easily integrate additional media gateways into the solution, including analog, digital and mixed configurations.

### **Survivability**

The AudioCodes media gateway can be located independently from the CS 1000 server, providing service to redundant servers in case one of them fails, and providing alternative routes from different locations.

### **Installation & Maintenance**

AudioCodes' Media Gateways are very easy to install within the CS 1000 environment. Nortel and AudioCodes both offer transparent integration of products, while their superior support organizations allow quick installation, easy troubleshooting, and reduced cost of ownership of the VoIP system.

### About AudioCodes Mediant™ 1000 Modular Media Gateway

The Mediant 1000 is a modular, compact and cost-effective media gateway solution and is designed to interface between TDM & IP networks in enterprises or small-scale carrier locations. Incorporating AudioCodes' innovative Voice over Packet technology, the Mediant 1000 enables rapid time-to-market and reliable, cost-effective deployment of next-generation networks. The Mediant 1000 is based on VoIPerfect™, the comprehensive and field-proven architecture used in all AudioCodes' product lines ranging from voice over packet processors to high-density media gateway platforms. Supports up to 4 E1/T1 gateway ports in a modular fashion.



### About AudioCodes Mediant™ 2000 Media Gateway

The Mediant™ 2000 VoIP Gateway is a cost-effective, entry-level member in the AudioCodes family of market-ready, standards-compliant, media gateway voice network products. Intelligently packaged in a stackable 1U chassis especially designed as CPE and for smaller locations in the carrier network market, the Mediant 2000 is the right-sized solution for small-scale (1 to 16 E1/T1s) needs. The Mediant™ 2000 VoIP media gateway supports G.711 (PCM), G.723.1, G.729A vocoders. The Mediant 2000 optionally supports a DC power supply (complies with NEBS Level 3) or dual AC power supply.



For additional details on Mediant Media Gateway compatibility with Nortel CS 1000 including configuration details, refer to the Developer Program website at <http://www.nortel.com/prd/dpp/coprofile/z2802.html>

### About AudioCodes

AudioCodes Ltd. (NASDAQ: AUDC) enables the new voice infrastructure by providing innovative, reliable and cost-effective Voice over Packet technology and Voice Network products to OEMs, network equipment providers and system integrators. AudioCodes provides its customers and partners with a diverse range of flexible, comprehensive media gateway and media processing technologies, based on VoIPerfect™ – AudioCodes' underlying, best-of-breed, core media gateway architecture. The company is a market leader in voice compression technology and is a key originator of the ITU G.723.1 standard for the emerging Voice over IP market.

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