Application Note

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

Powered by AudioCodes MediaPack™ Series Access Media Gateways

Nortel'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 the IP LAN & WAN infrastructure with built-in reliability and survivability, Communication Server 1000 supports business-critical applications, including unified messaging, customer contact centers, IVR, wireless VoIP and IP phones.

As an analog gateway seamlessly integrated with the CS 1000 using the SIP protocol, AudioCodes' media gateways provide a simplified way of adding analog phones and fax support. AudioCodes MediaPack™ family provides between 2 and 24 FXS ports, allowing the easy extension of analog POTS phones and fax 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, work more effectively and allow openness and interoperability in the future.

AudioCodes

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 2 and 24 FXS ports in a standalone chassis. Using a standalone chassis for the media gateway, additional media gateways can be easily added, either centrally or distributed.

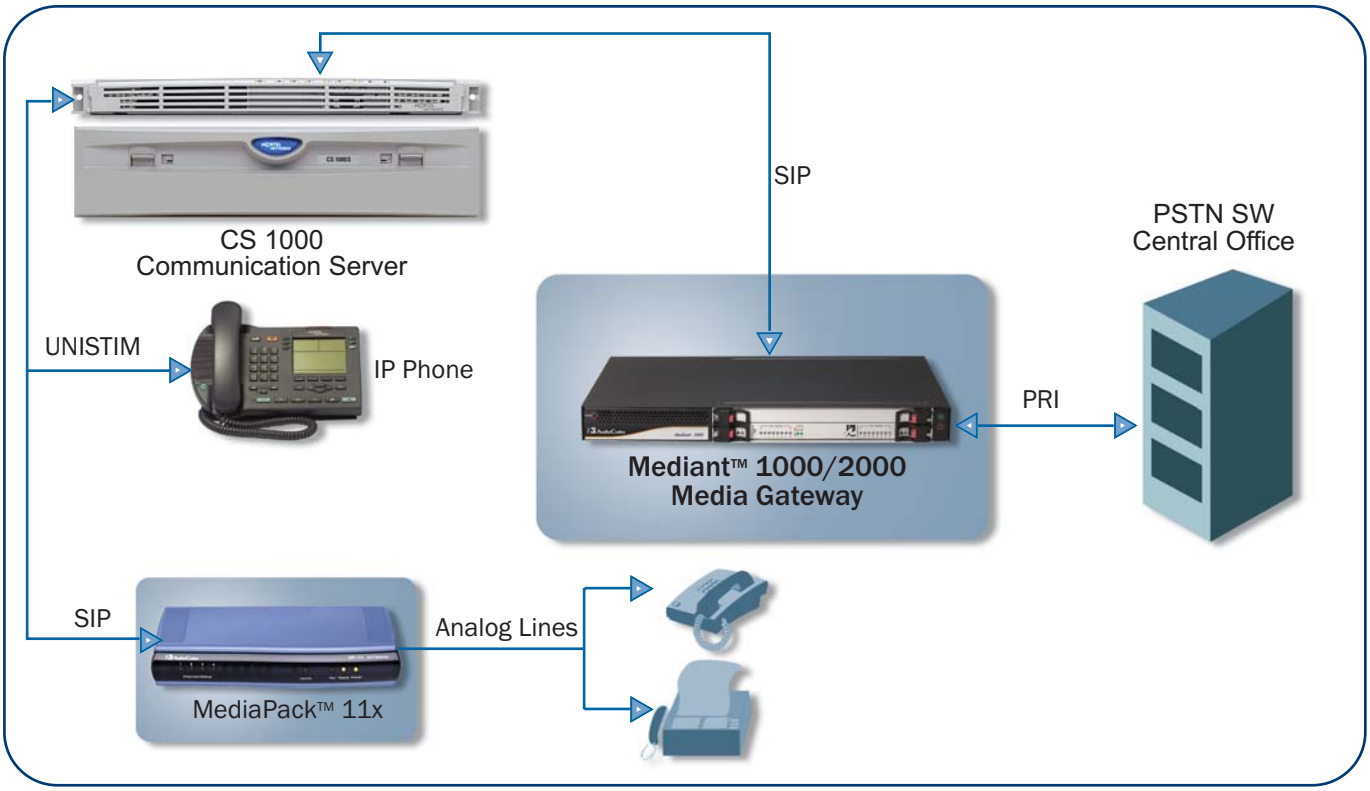
Each port of AudioCodes' media gateways support voice, T.38 fax and modem. In addition, low bit rate voice coders are supplied standard with the gateway.

SOHO Solution

The AudioCodes – Nortel open solution allows the installation of the MediaPack™ in Small-Office-Home-Office locations, providing VoIP connectivity to existing POTS wired and wireless phones, faxes, and modems connecting to the central CS 1000 server.

Voice Quality

AudioCodes' MediaPack™ 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 and digital configurations.

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 MediaPackTM Analog Media Gateways Family

The MediaPack family of analog gateways are designed and optimized to address the needs of service providers and enterprises for feature-rich, high quality analog media gateways. The MediaPacks enable a wide range of applications including converged access, IP Centrex, fixed-mobile convergence, and next generation PBXs. Ranging from 2 to 24 ports of FXS connectivity, the MediaPack family enables the connection of analog devices such as phones, faxes and modems into the IP world.

NORTEL
Compatible Product

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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AudioCodes

Your Gateway to VoIP