GSX9000™ Open Services Switch

A Sonus Networks IMS Architecture Component

NEXT-GENERATION VOICE SWITCHES REPRESENT THE PRIMARY HARDWARE IN A PACKET VOICE ARCHITECTURE, SETTING THE FOUNDATION FOR VOICE QUALITY, RELIABILITY, SCALABILITY, INTERCONNECTIVITY AND PERFORMANCE. AS A MEDIA GATEWAY, NEXT-GENERATION SWITCHES PROVIDE VOICE OVER IP (VOIP) CAPABILITIES AND SERVE AS THE KEY TRANSITIONAL ELEMENT BETWEEN LEGACY CIRCUIT-SWITCHED AND PACKET NETWORKS.

LOOKING BEYOND BASIC VOICE TRANSPORT CAPABILITIES, SERVICE PROVIDERS ARE INCREASINGLY INTERCONNECTING THEIR NETWORKS WITH OTHER CARRIERS, AS WELL AS ENTERPRISES, DIRECTLY VIA IP. THEY REQUIRE A NEXT-GENERATION SWITCH THAT DELIVERS SOPHISTICATED VOIP/MULTIMEDIA SERVICES AND ADDRESSES THE SPECIAL REQUIREMENTS OF THE IP-TO-IP BORDER BETWEEN THEIR OWN NETWORK AND THAT OF THEIR PEERS AND CUSTOMERS.

FIGURE 1: The GSX9000 Open Services Switch is a market-leading, next-generation voice/multimedia switch—proven in the world's largest telecommunications service provider networks.

Filling this role and more in Sonus Networks' IP Multimedia Subsystem (IMS) Architecture, the GSX9000 Open Services Switch is a revolutionary, voice and multimedia transport component so advanced that it has been a consistent market leader for years. This feature-rich, highly scalable and reliable switch plays three key roles:

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