nCite™ 1000 Session Border Controller

- Leader in Security, Performance, Scale and Redundancy
- Enables the collapsing of multiple applications on a single platform
- Supports both B2BUA and Stateful Proxy models on the same platform
- Allows service layering architecture for Security, Oversubscription, QoS, Call Routing and IMS integration
- Supports unsurpassed Denial of Service (DoS) and Security for Signaling and RTP
- Provides protocol Interoperability and Media Transparency, Protocol and QoS Interworking Network Mediation

The **nCite™ 1000** Session Border Controllers (SBCs) are designed and tested in conjunction with leading IP Communication Carriers and independent third party labs ensuring that products meet or exceed the functional and operational requirements of Service Providers globally. This cost-effective platform is designed for small, medium Service Providers and large enterprises. The nCite 1000 is optimized for operators that start to deploy VoIP hosted services or to interconnect their network with other VoIP carriers.

Session Border Controllers resolve the peering, latency, quality of service, capacity and control issues preventing widespread commercial deployment of VoIP. The SBC is a transparent addition to existing VoIP networks that enable Carriers and Service Providers to fully realize PSTN parity - resulting in a reduction of costs and increased revenue through the interconnection of VoIP islands. VoIP networks are typically built as “island networks” due to complexities associated with IP interconnection or peering (such as address overlap and security firewalls). The lack of scalability in current VoIP deployments is compounded by the lack of performance parity with the PSTN. Many indicators include the tremendous growth of IP PBXs and the adoption of VoIP and SIP-based products. nCite SBCs support three main application areas for wireline and wireless networks: Residential, Carrier to Carrier Peering and Enterprise.

nCite integrates both signaling and media in a single platform to securely and reliably deliver VoIP applications: voice, video and multimedia sessions across IP network borders.

nCite 1000 features

Session Management/Routing

- Multiple B2BUA/Stateful Proxy
- Hosted Firewall and NAT (Traversal)
- Virtual Routing Domains
- H.323/SIP Interworking
- Advanced Routing capabilities
- ENUM/DNS
- Supports fragmented UDP/TCP
- Geographic Load Balancing

Security

- Hardware-based DoS Protection
- Protocol Validation and fixup
- Media Firewall and Rogue RTP Detection
- Session-based Bandwidth Policing
- Topology Hiding
- SAC Policy per VPN/Customer
- IPSec, TLS
- Authentication based on source/destination IP address, domain, port, or protocol

AudioCodes

nCite™ 1000

Specifications

Capabilities

Performance	• Up to 4,000 concurrent sessions • One Gbps bandwidth • Less than 31 microseconds latency
High Availability	• Supports Active/Stand-by or Active/Active configurations • Geographic Redundancy supported across WAN links • Uninterrupted service in the case of device or link failure • Hitless software upgrade (no call or media failure)
Management	• Element Management System • API Interface • SNMP v2c • XML • Advanced Logging Capabilities • Dynamic Configuration Changes • Per Call Jitter and Packet Loss Reporting
Operations	• RADIUS Authentication • Detail Records for Sessions, Registrations and Call Failures • Real-Time Monitoring of Subscribers and Sessions • Detailed Statistics Logging • Off-Board Logging – Syslog • CALEA

Hardware

Physical	Dimensions: 1.70" x 16.93" x 20" (43.25 mm x 430 mm x 508 mm) Weight: 25 lbs (11.3 kg) Operation temp: 32F - 131F (5C - 50C) Humidity: 5%-85% non-condensing Heat dissipation: 1200 BTU/hour RoHS: Complies with RoHS directive 2002/95/EC
Power requirements	**DC Power Supply** Max Power: 560 W Voltage Range: -38 VDC to -75 VDC Maximum Current: 11.7 A @ -48 VDC 9.3 A @ -60 VDC **AC Power Supply** Max Power: 630 W 110 Operation: 100 VAC to 127 VAC 47 to 63 Hz 6.3 A Max at 100 VAC 220 Operation: 200 VAC to 240 VAC 47 to 63 Hz 3.2 A Max at 200 VAC

Applications

- Hosted Residential Services
- Carrier to Carrier VoIP Peering
- Hosted Enterprise Services
- SIP H.323 Interworking Gateway

About AudioCodes

AudioCodes Ltd. (NASDAQ: AUDC) provides innovative, reliable and cost-effective Voice over Packet (VOP) technology, Voice Network products, and applications to OEMs, Network Equipment Providers, Service Providers and System Integrators worldwide. AudioCodes provides a diverse range of flexible, comprehensive media gateway and media processing technologies (based on VoIPerfect™ – AudioCodes' underlying, best-of-breed, core media gateway architecture) and Session Border Controllers (SBCs). The company is a market leader in product development, focused on VoIP Media Gateway, Media Server and SBC technologies and network products. AudioCodes has deployed tens of millions of media gateway and media server channels globally over the past few years and is a key originator of the ITU G.723.1 standard for the emerging Voice over IP market. The Company is a VoIP technology leader focused on quality, having recently received a number one ranking from ETSI for outstanding voice quality in its media gateways and media servers. AudioCodes voice network products feature media gateway and media server platforms for packet-based applications in the converged, wireline, wireless, broadband access, enhanced voice services and video markets. AudioCodes enabling technology products include VoIP and CTI communication blades, VoIP media gateway processors and modules, and CPE devices. AudioCodes' headquarters and R&D facilities are located in Israel with an R&D extension in the U.S. Other AudioCodes' offices are located in Europe, the Far East, and Latin America.

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