AVAYA

The Power of We™

# Avaya Session Border Controller for Enterprise

## For small and midsize businesses - a single-box solution addressing the security concerns in SIP networks

**Security for SIP-based networks**

A clear line of defense where the SIP trunk meets the public network

Supporting communications applications that drive competitive advantage

Protection against:

- Denial of Service (DoS) attacks
- Application-layer threats
- Toll-fraud blocking
- Eavesdropping and theft of information

Fine-grained policy enforcement

To benefit from the latest communication and collaboration solutions, small and midsize businesses are increasingly turning to SIP-based networks.

Whether it's to lower costs using IP telephony or to take advantage of the latest multimedia messaging, conferencing and unified communications (UC) applications, SIP trunking is emerging as the industry standard.

## The Advantages of SIP

Carriers increasingly offer SIP trunks (the initials stand for Session Initiation Protocol) because they are designed for high-fidelity voice, high-definition video and other real-time collaboration applications. SIP trunks support more telephone extensions and reduce local, toll-free, domestic and international long-distance communications costs.

With the support of an SIP network, a growing business can more easily and cost-effectively roll out the latest UC applications to employees regardless of where they are working: in the office, at home or on the road. The productivity that results from these collaborative, real-time applications can be a major competitive advantage.

## SIP Trunk Security

However, SIP trunks also present a security challenge: there is vulnerability at the point where the SIP trunk connects to the public network that can leave a business exposed to hacker attacks including spoofing, call hijacking, eavesdropping and toll fraud. In addition to the potential damage to business operations, privacy and security mandates such as those for credit and health information (e.g., PCI and HIPAA) require that these vulnerabilities be addressed, imposing significant financial and legal penalties for non-compliance.

## A Solution for Growing Businesses

The Avaya Session Border Controller for Enterprise (Avaya SBCE) addresses the security vulnerabilities in SIP networks in a cost-effective, easily-implemented, single-box solution.

The Avaya SBCE is an affordable, premise-based solution—cost-optimized for small and midsize enterprises—that provides comprehensive SIP trunk security at a cost that can be much lower than carrier-based equivalents.

Easily operated from an intuitive graphical user interface (GUI), the Avaya SBCE establishes a precise demarcation where the SIP trunks meet the public network, presenting a clear line of defense. It delivers enterprise-class security that includes protection from Denial of Service (DoS) and application-layer threats as well as toll-fraud. Fine-grained policy enforcement helps ensure ongoing compliance.

With Avaya SBCE in place, growing businesses can adopt the collaborative and unified communications applications that drive competitive advantage.

## Learn More

To learn more about what Avaya solutions can do for your business, contact your Avaya Account Manager or Avaya Authorized Partner, or visit **avaya.com**.

**Avaya Session Border Controller for Enterprise with IP Office**

Avaya IP Office is the solution many growing businesses turn to for comprehensive, easily implemented unified communications.

With more than 300,000 systems installed worldwide, IP Office is an industry standard-bearer, delivering the communications and productivity tools today's employees need to perform at their best.

When Avaya IP Office is implemented in conjunction with SIP trunks, the Avaya Session Border Controller for Enterprise works hand-in-hand to help protect against security threats.

## About Avaya

Avaya is a global provider of business collaboration and communications solutions, providing unified communications, contact centers, networking and related services to companies of all sizes around the world. For more information please visit **www.avaya.com**.

| Specification | Avaya SBCE - Dell Platform | Avaya SBCE for IP Office - Portwell | Avaya SBCE - Dell EMS |
|---|---|---|---|
| **Sessions** | Up to 5,000 | Up to 500 sessions | |
| **Part Number** | 271021 | 271023 | 271022 |
| **Platform Type** | PE R210 II XL (OEM) (2HD) | CAD-0208-3402-900 | PE R210 II XL (OEM) (2HD) |
| **Main Processor** | Xeon E3-1220 - 3.1GHz (Quad core - 80W) | ATOM D510 – 1.66GHz | Pentium G850 2.9 GHz (Dual core) |
| **Memory** | 4GB (2 X 2GB) | 2GB | 2GB (2 X 1GB ) |
| **RAID** | No | No | RAID 1 |
| **Hard Drives** | 250/500GB (SATA) | 320GB (SATA) | 2 X 500 GB (SAS/ SATA) |
| **Compact Flash** | | | |
| **PCI Cards** | 1 X NICPCIe-4 | | 1 X PERC H200 RAID Controller |
| **TPM** | No | No | No |
| **LED Display** | Yes | No | Yes |
| **Interfaces (Ports)** | | | |
| **Data** | 6 X 1GbE | 4 X 1GbE | 2 X 1GbE |
| **USB** | 2 | 2 | 2 |
| **Console** | 1 (DB 9 - Female) | 1 (RJ-45) | 1 (DB 9 - Female) |
| **Replaceable Fan** | No | No | No |
| **Replaceable Hard Drive** | No | No | No |
| **Redundant PSU** | No | No | No |
| **Port Bypass** | No | No | No |
| **Form Factor** | 1U | 1U | 1U |
| **Bezel** | Dell - Standard R210 | | Dell - Standard R210 |
| **Dimensions** | | | |
| **Height** | 1.7 in | 1.7 in | 1.7 in |
| **Width** | 17.1 in | 11.75 in | 17.1 in |
| **Depth** | 15.5 in | 5.75 in | 15.5 in |
| **Boxed** | | | |
| **Height** | 10 in | 7.5 in | 10 in |
| **Width** | 24 in | 12 in | 24 in |
| **Depth** | 32 in | 15 in | 32 in |
| **Weight** | | | |
| **Unit** | 15.5 lbs. | 3 lbs. | 16.32 lbs. |
| **Boxed** | 30 lbs. | 6 lbs. | 31 lbs. |
| **Power** | | | |
| **Input** | 100/240V AC | 100/240V AC | 110/240V AC |
| **Nominal Current (110V)** | 1.2 A | 0.2 A | 1.2 |
| **Maximum Current (110V)** | 2 A | 0.5 A | 2 A |
| **AC Power (Max)** | 250 Watts | 40 Watt | 250 Watts |
| **Environmental** | | | |
| **Nominal Operating Temp** | 20˚C | 20˚C | 20°C |
| **Operating Temp Range** | 10˚C ~ 35˚C | 5˚C ~ 35˚C | 10°C ~ 35°C |
| **Relative Humidity** | 10% ~ 90% | 20˚C ~ 90˚C | 10% ~ 90% |
| **Storage Temp** | -40˚C ~ 65˚C | 0˚C ~ 75˚C | -40°C ~ 65°C |


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