



ENTERPRISE SESSION BORDER CONTROLLERS

Cost-Effective SIP Interoperability for Businesses of All Sizes

Highlights

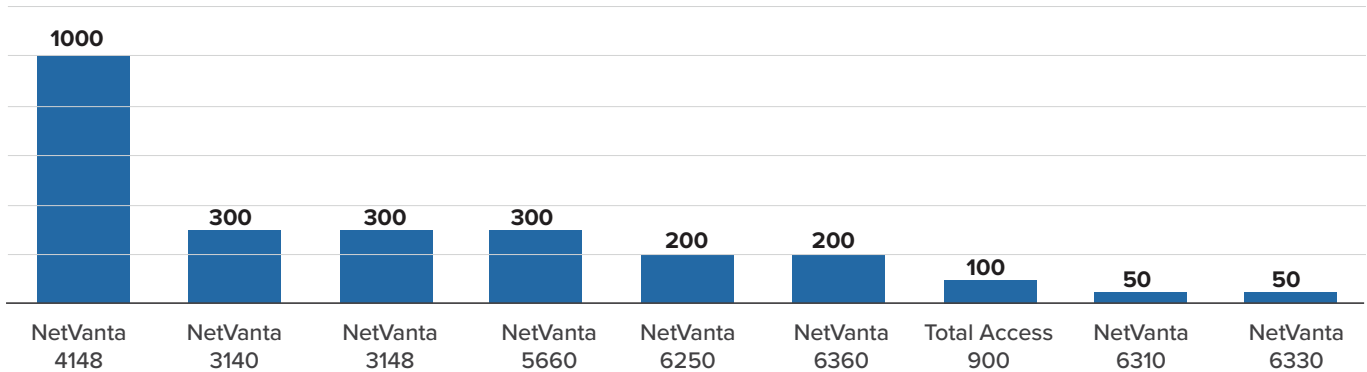
- SIP interoperability with leading PBXs, cloud services, SIP endpoints, and SIP trunking providers
- VoIP security and DoS protection
- Advanced call routing
- Voice Quality Monitoring for advanced voice troubleshooting
- Legacy support for analog interfaces, analog lines, BRI, and PRI
- Guaranteed uptime with local site survivability
- Variety of gateways to suit networks of all sizes
- Software upgrades to future-proof your investment

Enterprise Session Border Controllers

ADTRAN offers a host of products dedicated to VoIP security, Quality of Service (QoS) and SIP interoperability, known as Enterprise Session Border Controllers (eSBCs). These eSBCs provide a truly converged voice platform that sits at the customer premises and seamlessly provides interoperability between the Service Providers SIP implementation and the customer's voice service. No matter the service, whether it's connecting legacy analog equipment, a local PBX, cloud-hosted UC service, or SIP endpoints, ADTRAN has an eSBC solution to meet the need.

The strength of ADTRAN's eSBC offerings is their hardware versatility and ability to grow as your services expand. These platforms vary in size, shape, and overall features to meet your specific needs, and each one is software upgradable to expand your specific SBC session requirements, ranging from 5 to 1,000.

Supported SBC Calls By Product



SIP Gateway and Voice Functionality

ADTRAN's eSBCs utilize Session Initiation Protocol (SIP) for VoIP applications, providing interoperability with industry-leading softswitches, feature servers, and gateways. These eSBCs support many popular calling features such as caller ID, call hold, forward, transfer, and call waiting. Voice Activity Detection (VAD) and silence suppression are supported, assuring the delivery of high-quality voice service.

Superior Call Quality

Inherent Quality of Service (QoS) methods ensure appropriate classification and prioritization of VoIP traffic. To prioritize mission-critical VoIP traffic and control network congestion, the eSBCs use QoS, Class of Service (CoS), SIP Transparent Proxy, and Net Flow 9 Traffic Monitoring for collecting and measuring network traffic patterns.

Voice Quality Monitoring

To help troubleshoot VoIP calls, Voice Quality Monitoring (VQM) captures Mean Opinion Score (MOS), jitter, delay, and packet loss statistics. This powerful, yet graphically intuitive diagnostic tool allows for quick isolation of network issues and ensures superior call quality.

Security

ADTRAN's eSBCs also provide a powerful, high-performance stateful inspection firewall. The firewall can identify and protect against common Denial of Service (DoS) attacks like TCP syn flooding, IP spoofing, ICMP redirect, ping-of-death, and IP reassembly problems.

Local and Remote Survivability

ADTRAN's eSBCs include a SIP Back-to-Back User Agent (B2BUA) as a SIP transparent proxy to facilitate remote survivability in the event of a service interruption on the WAN. If connection to the feature server is lost, calls may continue between IP and analog phones on site, or outbound from an FXO POTS line to the PSTN.

Service Expansion

As your services grow or expand, so do our eSBCs. Most of our eSBCs offer SIP software upgrades allowing for additional call support or a migration path to various services from business trunking to hosted VoIP.

Cost-Effective SIP Interoperability for Businesses of All Sizes

NetVanta 3000s	
NetVanta 3140 Desktop	1700340F1
NetVanta 3140 Rackmount	1700341F1
NetVanta 3140 Desktop with VPN and VQM	4700340F2
NetVanta 3140 Rackmount with VPN and VQM	4700341F2
NetVanta 3140 with SBC - 5 Calls	4700341F2#5
NetVanta 3140 with SBC - 10 Calls	4700341F2#10
NetVanta 3140 with SBC - 25 Calls	4700341F2#25
NetVanta 3140 with SBC - 50 Calls	4700341F2#50
NetVanta 3140 with SBC - 100 Calls	4700341F2#100
NetVanta 3140 with SBC - 300 Calls	4700341F2#300
NetVanta 3148	17003148F1
NetVanta 3148 with VPN and VQM	47003148F2
NetVanta 3148 with SBC - 25 Calls	47003148F2#25
NetVanta 3148 with SBC - 50 Calls	47003148F2#50
NetVanta 3148 with SBC - 100 Calls	47003148F2#100
NetVanta 3148 with SBC - 300 Calls	47003148F2#300
NetVanta 3148P	17003148F11
NetVanta 3148P with VPN and VQM	47003148F21
NetVanta 3148P with SBC - 25 Calls	47003148F21#25
NetVanta 3148P with SBC - 50 Calls	47003148F21#50
NetVanta 3148P with SBC - 100 Calls	47003148F21#100
NetVanta 3148P with SBC - 300 Calls	47003148F21#300
Software Upgrades	
NetVanta 3140 SBC Upgrade - 5 Calls	1963SBCF5
NetVanta 3140 SBC Upgrade - 10 Calls	1963SBCF10
NetVanta 3140 SBC Upgrade - 25 Calls	1963SBCF25
NetVanta 3140 SBC Upgrade - 50 Calls	1963SBCF50
NetVanta 3140 SBC Upgrade - 100 Calls	1963SBCF100
NetVanta 3140 SBC Upgrade - 300 Calls	1963SBCF300

NetVanta 6250s, 6360s & Total Access 900e's	
NetVanta 6250 8 FXS	4700252F1
NetVanta 6250 8 FXS with SBC - 5 Calls	4700252F2#5
NetVanta 6250 8 FXS with SBC - 25 Calls	4700252F2#25
NetVanta 6250 8 FXS with SBC - 100 Calls	4700252F2#100
NetVanta 6250 8 FXS with SBC - 200 Calls	4700252F2#200
NetVanta 6250 16 FXS	4700254F1
NetVanta 6250 16 FXS with Lifeline FXO	4700254F2
NetVanta 6250 24 FXS	4700256F1
NetVanta 6250 24 FXS with Lifeline FXO	4700256F2
NetVanta 6250 16 FXS + 9 FXO (1 Lifeline)	4700256F3
NetVanta 6360 8 FXS	47006362F1
NetVanta 6360 16 FXS	47006364F1
NetVanta 6360 24 FXS	47006366F1
NetVanta 6360 8 FXS with SBC - 5 Calls	47006362F1#5
NetVanta 6360 8 FXS with SBC - 25 Calls	47006362F1#25
NetVanta 6360 8 FXS with SBC - 100 Calls	47006362F1#100
NetVanta 6360 8 FXS with SBC - 200 Calls	47006362F1#200
Total Access 908e	4243908F1
Total Access 908e with Lifeline FXO	4243908F2
Total Access 908e with Lifeline FXO & SBC - 5 Calls	4243908F2#5
Total Access 908e with Lifeline FXO & SBC - 25 Calls	4243908F2#25
Total Access 908e with Lifeline FXO & SBC - 50 Calls	4243908F2#50
Total Access 908e with Lifeline FXO & SBC - 100 Calls	4243908F2#100
Total Access 916e	4243916F1
Total Access 916e with Lifeline FXO	4243916F2
Total Access 924e	4243924F1
Total Access 924e with Lifeline FXO	4243924F2
Total Access 924e, 16 FXS, 9 FXO (1 Lifeline)	4243924F3
Software Upgrades	
NV 6250, 6360 & TA 900e SBC Upgrade - 5 Calls	1962SBCF5
NV 6250, 6360 & TA 900e SBC Upgrade - 10 Calls	1962SBCF10
NV 6250, 6360 & TA 900e SBC Upgrade - 25 Calls	1962SBCF25
NV 6250, 6360 & TA 900e SBC Upgrade - 50 Calls	1962SBCF50
NV 6250, 6360 & TA 900e SBC Upgrade - 100 Calls	1962SBCF100
NV 6250, 6360 & TA 900e SBC Upgrade - 200 Calls	1962SBCF200

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NetVanta 4000s & 5000s	
NetVanta 4148	17004148F1
NetVanta 4148 with VPN and VQM	47004148F2
NetVanta 4148 with SBC - 100 Calls	47004148F2#100
NetVanta 4148 with SBC - 300 Calls	47004148F2#300
NetVanta 4148 with SBC - 500 Calls	47004148F2#500
NetVanta 4148 with SBC - 1000 Calls	47004148F2#1000
NetVanta 4148P	17004148F11
NetVanta 4148P with VPN and VQM	47004148F21
NetVanta 4148P with SBC - 100 Calls	47004148F21#100
NetVanta 4148P with SBC - 300 Calls	47004148F21#300
NetVanta 4148P with SBC - 500 Calls	47004148F21#500
NetVanta 4148P with SBC - 1000 Calls	47004148F21#1000
NetVanta 5660 Chassis	17025660F1
NetVanta 5660 with SBC - 25 Calls	47005660F1#25
NetVanta 5660 with SBC - 100 Calls	47005660F1#100
NetVanta 5660 with SBC - 300 Calls	47005660F1#300
Software Upgrades	
NetVanta 4000 & 5000 SBC Upgrade - 5 Calls	1964SBCF5
NetVanta 4000 & 5000 SBC Upgrade - 10 Calls	1964SBCF10
NetVanta 4000 & 5000 SBC Upgrade - 25 Calls	1964SBCF25
NetVanta 4000 & 5000 SBC Upgrade - 50 Calls	1964SBCF50
NetVanta 4000 & 5000 SBC Upgrade - 100 Calls	1964SBCF100
NetVanta 4000 & 5000 SBC Upgrade - 300 Calls	1964SBCF300
NetVanta 4000 SBC Upgrade - 500 Calls	1964SBCF500
NetVanta 4000 SBC Upgrade - 1000 Calls	1964SBCF1000

NetVanta 6310s & 6330s	
NetVanta 6310	1702100F1
NetVanta 6310 with SBC - 50 calls	4700100G1SBC
NetVanta 6330 8 FXS	47006332G1
NetVanta 6330 16 FXS	47006334G1
NetVanta 6330 24 FXS	47006336G1
NetVanta 6330 16 FXS+8FXO	47006337G1
Software Upgrades	
NetVanta 6310 & 6330 SBC Upgrade - 50 Calls	19506310G3



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AD11148A

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