



Mediatrix 500 Enterprise Session Border Controller (eSBC)

Overview

The Mediatrix 500 eSBC is a Small & Medium Business enterprise solution for SIP Demarcation that ensures the security of VoIP & Data communications between Service Providers and Enterprises' customer premises equipment (CPE).

The Mediatrix 500 eSBC simplifies SIP Trunk deployments providing seamless integration with iPBX and SIP Clients without the need for configuration changes to devices on customer premises.

The Mediatrix 500 eSBC enables Quality of Service for IP Telephony and high-quality IP-TV on the LAN. It ensures service availability to all terminals on the LAN, and remote locations on the WAN.

The Mediatrix 500 eSBC also includes an embedded Enterprise Router & Firewall with 4-Port Ethernet Switch fully addressing real-time and SIP-based applications on the LAN.

Key Benefits

- Service Provider Demarcation Point
- Normalization of SIP Signaling
- Wide Interoperability with SIP vendors
- Resolution of NAT traversal issues
- Support to Remote Workers
- Diagnostics & Debug Logs email notification
- Security and Control
- IP-TV support
- On-line Wizard for easy installation
- TR-069 for massive deployments
- Advanced Quality of Service
- Call Admission Control
- Display and front panel keys

For Offices up to 50 users

The Mediatrix 500 eSBC stateful packet inspection (SPI) and packet filtering firewall ensures the security of SIP communications and maintains the LAN private, secured and protected from undesirable attacks like:

- Denial of Service
- Service Theft
- Intrusion Detection / Prevention

The Mediatrix 500 eSBC offers a list of license upgrades to access optional feature sets to tailor the configuration to each specific use-case and customer requirements. Licences include extended number of simultaneous sessions, Local SIP server and advanced SIP routing functions.

In addition to SIP Pass-Through, the Mediatrix 500 eSBC supports Back-To-Back User Agent to normalize any SIP Signalling difference between Service Provider and customers SIP implementations.

The Mediatrix 500 eSBC includes a configuration Wizard with a list of preconfigured IP-PBXs as follows:

- 3COM VCX
- Aastra
- Astra/Ericsson
- Asterisk
- Avaya Aura
- Avaya CM/SES
- Avaya IP Office
- Avaya Quick Edition
- Broadsoft
- Cisco
- Clear Access
- LG-Nortel
- Microsoft
- Mitel
- NEC Spherical
- Panasonic
- Pingtel
- Samsung
- Shoretel
- Siemens

Among others.



Licences

- SIP Trunk
- 3 simultaneous sessions
- Optional configurations from factory with 10 or 20 simultaneous sessions
- Additional Licenses can also be ordered On-Line

Technical Specifications

IP Telephony Protocol

- SIP – RFC 3261

WAN Connection

- 1 x 10/100 BaseT Ethernet RJ-45 connector

LAN Switch

- 4 x 10/100 Base-T Ethernet RJ-45 connectors

Enhanced Security

- X.509 Certificate management.
- TLS¹ transport method. Supports VPN termination supporting IPsec with Certificate handling.
- Hardware acceleration for DES, 3DES and AES encryption.

Management

- Web-based GUI
- TR-069 for massive deployments

Multimedia Services

- All Services to All Devices on the LAN
- Firewall Protection on all PVCs / VLANs
- Full QoS on the Multimedia LAN
- SIP Communication via all VCs
- IP-TV
- Video On Demand (RTSP Proxy)

Access Router

- Easy IP Address Handling
- Dynamic DNS Client
- Can be used as separate subnets or DMZ
- Wireless interface can be bridged to the wired LAN
- DHCP server

Firewall

- Offers stateful packet inspection (SPI) and packet filtering firewall
- 80 Mbps throughput
- FTP proxy
- Virtual servers
- VPN tunnels

SIP Switch

- Streamlines the usage of email-like SIP addresses used by soft SIP clients and numbers used by SIP phones
- Routes calls to PSTN gateways
- ENUM look up
- Call forward / call forking
- Email notification

QoS

- TOS/DiffServ
- IEEE 802.1p/Q

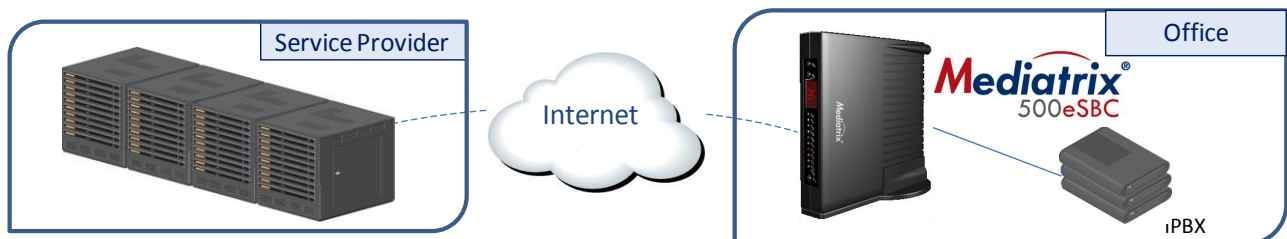
Power Consumption

- 3-6 watts depending upon configuration

Unit Dimensions

- 15.4 cm x 16.4 cm x 3.2 cm - 6.06 in. x 6.46 in. x 1.26 in. (approx.)

Application: SIP Demarcation eSBC



¹ This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>). This product includes cryptographic software written by Eric Young (<mailto:meay@cryptsoft.com>)