

Mediatrix S7 LP 16 Port Analog FXS Gateway



Product Name: Mediatrix S7 LP 16 Port Analog FXS Gateway

Manufacturer: Mediatrix

Model Number: S7-16

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The Mediatrix S7 LP Gateway features long haul 16 FXS ports, lightning protection, outstanding voice quality, rich telephony functionalities, easy deployment and provisioning, advanced security, and superior performance.

Mediatrix S7 LP 16 Port Gateway Key Features

- Short and long loop support
- T.38 and clear channel fax over IP
- High performance processing of up to 28 voice channels
- Encrypted media, signaling, and management
- Easy Configuration and Management
- NAT, firewall, and router capabilities
- 5 ports Gigabit Ethernet

These features make the Mediatrix S7 LP 16 port the ideal solution for the hospitality sector, campuses, transport infrastructures, large facilities, and buildings far away from one another. Mediatrix gateways are fully certified with Broadsoft softswitches and compatible with Skype for Business.

Mediatrix S7 LP 16 Port Gateway - Technical Specifications

Media Processing

- G.711 (A-law and μ -law), G.726, and G.729a/b;
- G.168 echo cancellation
- DTMF detection and generation
- Carrier tone detection and generation
- Silence detection/suppression and comfort noise
- Configurable de-jitter buffer and packet length

Enhanced Security

- Denial of Service (DoS) protection
- SIP over TLS
- SRTP with AES cipher – 128 bits
- MIKEY key management protocol (RFC 3830 and 4567)
- SDES key management protocol (RFC 4568)
- TLS-encrypted configuration and management
- X.509 certificate management
- OCSP (Online Certificate Status Protocol) revocation
- Status verification
- Supported TLS key exchange mechanism:• RSA• Diffie-Hellman
- Supported TLS ciphers (minimum):• AES (128 and 256 bits)• 3DES (168 bits)

Management

- Zero-touch provisioning
- TR-069, TR-104, and TR-111
- Web GUI
- SSH and TELNET
- SMNP v1, v2c, and v3
- Scripts/firmware files uploaded via HTTP, HTTPS, FTP, and TFTP

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- Multiple levels of management access rights
- Customisable CDR
- Event notifications via Syslog, SIP, log file, and SNMP traps
- Remote activation of service licenses

Monitoring and Troubleshooting

- Alarms and traps
- Call Details Record (CDR)
- Media quality statistics
- System: CPU and memory usage
- PCM capture
- IP network capture
- Diagnostic traces

Quality of Service (QoS)

- Bandwidth limitation and traffic shaping
- TOS/DiffServ
- IEEE 802.1p/Q
- RTCP-XR – special order

IP Telephony Protocol

- SIP (RFC 3261) over UDP, TCP, and TLS
- IMS (3GPP TS 24.229)
- RTP (RFC 3550)
- SDP (RFC 4566)
- Multi-part body support
- Redundancy support via DNS SRV
- Multiple trunk support
- Survivability for IP-Phones
- IPv4 and IPv6 dual stack signaling and media

Analog Telephony

- Support for call forward, call transfer, conference call, call waiting, CCNR, and CCBS
- Multiple country presets
- Customisable tones and ring patterns
- Echo cancellation
- Message Waiting Indication (MWI), via FSK
- On-hook/off-hook caller ID generation (name & number) as per Bell-core DTMF or FSK and Telebras BINA
- Answer and disconnect signaling

Call Routing

- Local switching
- Call filtering and blocking
- Calling/called number manipulation using regular expressions
- Routing Criteria:• Interface• Calling/called party number• Calling/called URI• Time of day, day of week, and date• Many others
- Mapping and transformation of call properties to/from SIP headers
- Hunt groups

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Fax and Modem Support

- Group 3/super G3 fax real-time fax over IP
- T.38 fax relay (9.6 k and 14.4 k)
- Clear channel (G.711) fax and modem pass-through.

Networking

- 16 FXS Ports
- IPv4 & IPv6
- Multiple IP addresses per link or VLAN
- Multiple VLANs per link
- DHCP client
- PPPoE (RFC 2516)
- IEEE 802.1q + DSCP QoS tagging (media, signaling, and mgmt)
- IEEE 802.1x wired authentication
- LLDP-med (ANSI/TIA-1057)
- QoS traffic shaping
- Firewall with stateful inspection, rate-limitation, and automatic black-listing
- Static routing
- NAT
- DHCP Server

Dimensions

- Height: 4.4 cm
- Width (mounting brackets): 48.5 cm
- Depth: 19.5 cm
- Weight: 3KG

Power Supply

- Internal 100-240 VAC power supply

Physical Interfaces

- 5 x 10/100/1000 Base-T Ethernet RJ-45 connectors
- 2 x TDM sync RJ-45 connectors

Operating Environment

- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 70°C
- Humidity: up to 85%, non-condensing

Price: £1,168.10