

Mediatrix G7-8 8 FXS + 8 FXO VoIP Gateway



Product Name: Mediatrix G7-8 8 FXS + 8 FXO VoIP Gateway

Manufacturer: Mediatrix

Model Number: G7-8

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The Mediatrix G7-8 8 FXS + 8 FXO VoIP Gateway is a reliable and secure VoIP Analog Adaptor and Media Gateway platform for SMBs. Featuring 8 FXS + 8 FXO ports; the Mediatrix G7-8 provides the best solution to connect legacy equipment to cloud telephony services and IP PBX systems to PSTN landlines.

Mediatrix G7-8 Key Features

- 8 FXS + 8 FXO
- Connect legacy equipment in PSTN replacement/TDM replacement projects
- Provide SIP termination for cloud telephony services
- Convert ISDN signalling to SIP for SIP trunking
- Convert analog signalling to SIP for Hosted Unified Communications and IP-Centrex
- Integrate Unified Communications with legacy systems
- Connect Skype for Business with IP/TDM trunks and legacy telephony equipment
- Keep existing telephony equipment in SIP migrations
- Inter-connect branch offices to headquarters

Mediatrix G7-8 - 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
- Multiple levels of managing access rights
- Customisable CDR
- Event notifications via Syslog, SIP, log file, and SNMP traps
- Remote activation of service licenses

Monitoring and Troubleshooting

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- 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 TLSIMS (3GPP TS 24.229)
- RTP (RFC 3550)SDP (RFC 4566)Multi-part body supportRedundancy support via DNS SRVMultiple trunk supportIPv4 and IPv6 dual stack signaling and media

Digital Telephony

- Euro ISDN EDSS-1/ETSI PRI/NET5
- ISDN NI-2 (US T1 PRI)
- ISDN DMS100 (US T1 PRI)
- ISDN 5ESS (US T1 PRI)
- ISDN speech, audio, and data (Fax Gr 4, UDI 64, and RDI 64)
- ECMA-143 (QSIG-BC)
- E1 R2 digital line signalling (ITU-T Q.421)
- E1 R2 MFC inter-register signalling (ITU-T Q.441)
- Presets for: Brazil, Argentina, Mexico, Saudi Arabia,
- Venezuela, Philipines, and ITU-T
- T1/E1 E&M (Immediate, Wink-Start, Feature Group-B, and Feature Group-D), MF-R1, DTMF
- Advice of Charge AOC-D, AOC-E (ETS 300 182)

Analog Telephony

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

Call Routing

- Local switchingCall filtering and blockingCalling/called number manipulation using

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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

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

- 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

Physical Interfaces

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

Power Supply

- Internal 100-240 VAC power supply

Operating Environment

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

Price: £1,270.10