



MX8 is a multi-purpose VoIP gateway product series designed with the needs of service providers and enterprises in mind. With MX8 gateways, service providers can provide telephony and fax services to subscribers using many access methods such as FTTB, HFC, and ADSL. Enterprises can use the MX8 traditional PBX interface to implement voice VPN solutions with their private IP or public VPN networks. MX8 can also serve as a remote SIP terminal for IP-PBX solutions.

MX8 includes 4 different models: 4 FXS ports, 4 FXO ports, 4FXS and 4FXO ports, and 8 FXS ports. MX8 product series embeds Motorola 50Mhz 32-bit central processor MPC852 and uses TI high performance C5509 DSP for voice processing. It delivers rich features, high voice quality, and high interoperability. **Main Applications**

- Remote SIP access gateway for IP-PBX
- IP based wide area PBX for enterprise, government branches and schools
- VoIP Long Distance application for IP phone supermarkets and enterprises
- Carrier primary and secondary line service
- Small and home offices

Key Features

- MGCP or SIP access gateways
- SIP-PSTN analog gateway
- Routing (based on called number or other criteria)
- Radius based CDR for accounting
- STUN client for NAT transversal
- Flexible interface for analog phones, fax, traditional PBX with analog trunks

- Fax tone detection and codec bypass (T.30) and fax relay (T.38) function
- G.711, G.723.1, G.729A codec
- G.168 echo cancellation
- DTMF transportation: transparent mode, RFC 2833 mode, SIP/INFO mode

Call Features

- Caller ID
- Message waiting indication
- Call waiting
- Call forwarding
- Caller ID on call waiting
- Call transfer (on busy, no answer, all)
- Special purpose calling codes
- Speed dial
- Redials

Supported Protocols

- Session Initiated Protocol (SIP)
- Media Gateway Control Protocol (MGCP)
- Real Time Transport Protocol (RTP)
- TFTP for remote software upgrade
- HTTP for system and interface configuration and monitoring
- SNMP v.1, v.2, v.3
- Telnet for remote support
- DHCP for dynamic IP address allocation
- DTMF
- STUN Client for NAT/firewall traverse

Other Specifications

- Power: 5V/3A DC power supply (included with AC adaptors) Power Dissipation: 15 Watts (max)
- Talk Battery: -24 V
- Ringing Voltage: 50V RMS
- Loop Current: 21 mA
- Max Line Length: 1500m or 415 ohm
- REN Equivalence: 5 for short loop (1000 feet) , 3 for long loop (5000 feet)
- Analog Interface: RJ-11
- Off-hook Detection: Loop start

- Dialing: DTMF
- Memory: 32MB
- Flash: 8MB
- Size (L x W x H): 195 x 118 x 34 mm
- Weight: 650 gram