

Mediatrix C710 4 FXS Ports VoIP Gateway (C710-01-MX-D2000-a-bcd)

Product Name: Mediatrix C710 4 FXS Ports VoIP Gateway (C710-01-MX-D2000-a-bcd)

Manufacturer: Mediatrix

Model Number: C710-01-MX-D2000-a-bcd

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The Mediatrix C710 Series offers a wide variety of configurations combining FXS and FXO interfaces for multiple applications in a single platform. It is available with 4 and 8 telephony ports and connects up to 8 analog phones, modems, or fax machines; or connects up to 8 PSTN or PBX trunk lines to an IP network.

Mediatrix C710 Key Features

- Carrier-grade voice quality, Fax over IP support, including T.38, Up to 8 simultaneous calls, Local 3 Party-Conference support using G.729 or G.711, Modem over IP support.
- Ease of configuration and management SNMP and Web management, customized factory configuration and auto-provisioning with TR-069, FTP, TFTP, HTTP & HTTPS support for massive deployments.
- Security Support for SNMPv3, Encrypted configuration files, HTTP Digest authentication, secure signaling with SIP over TLS and media transmission with SRTP using MIKEY or SDES key management methods.
- Network functionalities QoS features support, NAT, Stateful inspection Firewall, DHCP client / server, STUN Client, VLAN tagging and VLAN tagging substitution support.

The Mediatrix C710 Series VoIP adaptors are high-quality, cost efficient VoIP gateways connecting small to medium branch offices to an IP network, while preserving existing investments in analog devices and linking IP extensions with the PSTN for local toll services or survival scenarios.

Overview

The Mediatrix C710 Series support a wide variety of applications requiring connectivity between analog devices and trunk lines from the local carrier with IP networks, and is designed to adapt analog devices like Point-Of-Sales, Fax machines and Telephones for communications over IP. In addition to the benefits of the existing Mediatrix VoIP Adaptors and Gateways, the C7 Series offers a cost effective solution including a combination of FXS and FXO interfaces. The C7 Series is the preferred alternative to address specific low density needs for SMB applications (Small- and Medium-sized Business).

Mediatrix C710 - Technical Specifications

IP Telephony Protocol

- SIP & RFC3261. Multiple SIP Proxy support via DNS SRV, Multiple registrations, SIP over TLS, TCP and UDP. Seamless fallback across redundant servers. Multiple Virtual gateways, PRACK and UPDATE.
- IPv6 addressing - Most network-related features of the Mediatrix unit receiving and sending packets on the Internet protocol can be used on both IPv4 and IPv6. OCSP (Online Certificate Status Protocol) revocation status verification for TLS links.
- ANAT grouping in the SDP.
- Media stream may now be on a different network than SIP signalling. - Call router automatic routes may now have multiple SIP gateways for sources and destinations.

Voice Processing

- Vcoders: G.711 (A-law, μ -law), G.726, G.729a/b, G.168 echo cancellation (64ms), DTMF

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detection and generation, Carrier tone detection and generation, Silence detection / suppression and Comfort Noise Generation level software adjustable, Configurable dejitter buffer, Configurable tones (dial, ringing, busy), Configurable transmit packet length, RTP/RTCP - RFC 1889, RFC 1890, RFC 2833, RFC 3389.

Enhanced Security

- Compliant with multiple enhanced security protocols offering a rich feature set including: SIP over TLS, SRTP with MIKEY key management protocol (RFC 3830 and 4567) and SDES key management protocol (RFC 4568), X.509 Certificate management.
- HTTPS for the exchange of Configuration File and web pages, SNMPv3 and TR-069 management protocols. Supported Authentication: SHA1, MD5. Supported Key Exchange Mechanism: RSA, Diffie-Hellman., Supported Cyphers: AES (128 and 256 bits), 3DES (168 bits), DES (56 bits), Blowfish (448 bits).

Standards / Approvals

- The DECT repeater is designed in accordance with the Digital Enhanced Cordless Telecommunications (DECT) standard
- The DECT repeater is compliant with: TBR6, TBR22 (Generic Access Profile, GAP) ETS 300 700 - ETSI Wireless Relay Station Specification

Fax and Modem Support

- Group 3/Super G3 Fax real-time FoIP over clear channel (G.711), G.726 or T.38 Fax relay (9.6 k, 14.4 k), MODEM tone detection and pass-through over G.711 and G.726.

Management

- Web-based GUI, FTP, TFTP, HTTP/HTTPS configuration up- and download (Auto-provisioning), FTP, TFTP, HTTP/HTTPS firmware upgrade, SNMPv1, v2 and v3 agent (MIB II and private MIB), TR-069 for massive deployments (optional feature available at purchase time), TELNET, SSH, Remote Services activation to purchase service licenses for deployed units, permitting to enable TR-069 feature in the field, TR-104 to permit large provisioning systems to communicate with CPE on private networks, Subscribes services for IMS: Transfer methods and real time media provisioning.

Call Routing

- Local switching, Interface hunt groups, Routing Criteria (Interface, Calling/called party number, Time of day, day of week, date, ISDN bearer capability), Number manipulation functions: (Replace numbers, Add/remove digits, PLAR), Call properties manipulations, SIP header manipulations.

QoS, IP Routing, NAT and Firewall

- TOS/DiffServ, IEEE 802.1p/Q, Classification & traffic shaping. NAT/ Firewall, Statefull inspection, Static routes, Source-based routing, IP filtering and Port forwarding, DHCP Client, DHCP Server, PPPoE client, VLAN support.

Analog Connection

- Mediatrix C710: 4 x RJ-11 connectors, analog phone/fax (FXS) interface, Mediatrix C711: 8 x RJ-11 connectors, analog phone/fax (FXS) interfaces, Mediatrix C730: 4 x RJ-11 connectors, PBX

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or PSTN lines (FXO) interfaces, Mediatrix C733: 8 x RJ-11 connectors, PBX or PSTN lines (FXO) interfaces, Mediatrix C731: 8 x RJ-11 connectors, analog phone/fax and PBX or PSTN lines (4FXS+4FXO) interfaces connectors.

WAN/LAN Connection

- 2 x 10/100 Base T Ethernet RJ-45 connector.

Enhanced Telephony Features

- Call Forward / Call Transfer / Conference Call / Call Waiting support, Inter-digit timer and IP dialing, Echo Cancellation / Dynamic Jitter Buffer / Voice Activity Detection / Silence Suppression, Message Waiting Indication via FSK, Flash hook event signaling, Caller ID Generation (Name & Number) as per Bellcore DTMF or FSK, CCNR / CCBS.

Operating Environment

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

Power Supply

- External 100-240 VAC Power Supply

Price: £252.00
