



VoIPowered By
Mediatrix[®]

Mediatrix 2102 – 2 port VoIP Access Device



The Mediatrix[®] 2102 is a high-quality and cost efficient VoIP gateway connecting SOHOs to an IP network, while preserving investment in analog telephones and faxes.

It allows Services Providers to deploy rapidly and economically their solutions in smaller premises and it is the ideal solution for remote line connection to larger private networks.

Key Benefits

Voice Functionalities

- Carrier-grade voice quality
- T.38 support
- High compression Codecs support

Ease of configuration

- Automatic firmware and configuration file download
- SNMP and web management
- TFTP, HTTP or HTTPS auto-provisioning

Security

- Support for SNMPv3
- Encrypted configuration files support
- HTTP Digest authentication
- HTTPS support

Network functionalities

- Transparent IP Address Sharing
- PPPoE and DHCP client
- STUN Support
- Interoperable with equipment from leading industry vendors

Mediatrix 2102 Overview

The Mediatrix 2102 connects up to two analog phones and/or faxes, as well as a PC or a home router to a broadband modem.

The Mediatrix 2102 enables cost-effective VoIP deployments in residential and SOHO applications.

With an embedded PPPoE client and its innovative Transparent IP Address Sharing technology, the Mediatrix 2102 and the PC or router connected to the second Ethernet port have the same public IP address, eliminating the need for private IP addresses or address translations.

The Mediatrix 2102 has the additional benefit of supporting high compression codecs simultaneously on both analog voice ports, thus saving valuable bandwidth.

As all other Mediatrix devices, the 2102 provides web interface, giving users a convenient access to the unit for initial set-up. The devices can also auto-provision by fetching their encrypted configuration from a TFTP, HTTP or HTTPS server making installation secure and transparent to the end-users. To further facilitate deployments, factory loaded configurations are possible.

Technical Specifications

IP Telephony Protocol

- SIP – RFC3261

Vocoders

- G.711 (a-law, μ -law) with optional VAD support, G.723.1, G.726, G.729a, ab

Echo Cancellation

- G.168

Silence Suppression

- Silence detection / suppression and Comfort Noise Generation level software adjustable.

Sales Department

Americas - Tel: 1-877-GET-VOIP / (877) 438-8647 Tel: (819) 829-8749

Fax: (819) 829-5100

Europe, Middle East, Africa - Tel: 49 (0)30-3496-2085

/ CALA – Tel: (954)-349-0394

Fax: (954) 349-8722

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Real-Time Transport Protocols

- RTP/RTCP – RFC1889, RFC1890, RFC2833, RFC3389

Network Management Protocols

- SNMPv3, DHCP – RFC2131, RFC2132, TFTP – RFC1350, RFC2347, RFC2348, RFC2349, Syslog – RFC3164, HTTP 1.0 – RFC1945, HTTP 1.1 – RFC2616, Basic and digest HTTP authentication – RFC2617

Ethernet Connection

- 2 10/100 Base T Ethernet Rj-45 connector

Analog Connection

- 2 RJ-11 connectors, analog phone / fax (FXS) interface.

Data Features

- PPPoE client – RFC1332, RFC1661, RFC1334, RFC1994, RFC2516, RFC1471, RFC1472, RFC1473, RFC1877
- DHCP server
- STUN client

QoS

- ToS, DiffServ, 802.1p, 802.1Q

Unit Dimensions and Weight

- Height 5cm (2in)
- Width 20cm (8in)
- Depth 14 cm (5.5 in)
- Unit Weight 454g (1.2lbs)

Enhanced Telephony Features

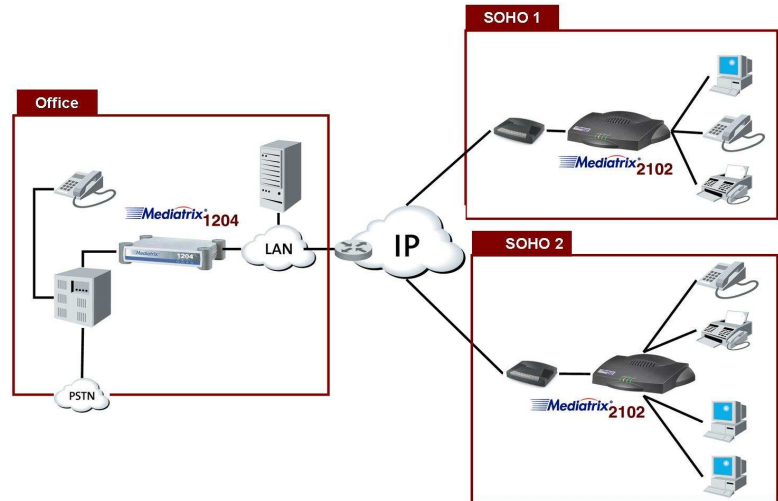
- Multiple SIP Proxy support via DNS SRV
- Call Forward / Call Transfer / Conference Call / Call Waiting support
- T.38, fax tone detection and pass-through on G.711 and G.726
- Inter-digit timer and IP dialing
- Echo Cancellation / Dynamic Jitter Buffer / Voice Activity Detection / Silence Suppression
- Message Waiting Indication, via FSK
- Flash hook event signaling
- Caller ID Generation (Name & Number) as per Bellcore DTMF or FSK

Applications

Remote Line Extension

Value Proposition

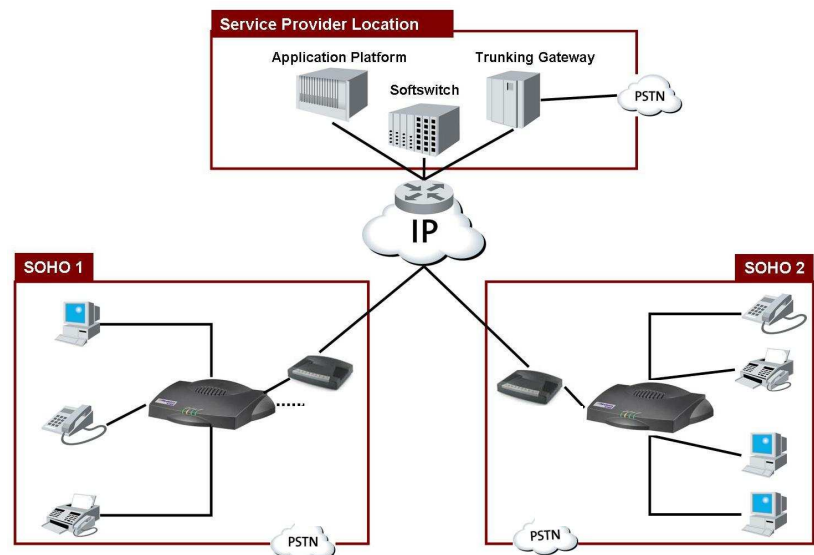
- Extend the reach of the IP PBX Analog Line Extensions to remote SOHO via IP network
- Connect your remote locations through VoIP



while maintaining your PBX/KTS infrastructure

- Maintain most analog call features from via Hook Flash Relay and DTMF signalling

Hosted SOHO Applications



Value Proposition

- Deploy carrier-grade voice solutions
- Benefit from superior ease of configuration and remote management
- Take advantage from thorough interoperability with all major softswitches on the market

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