



The Mediatrix® 1104 is a high-quality and cost efficient VoIP gateway connecting small offices to an IP network, while preserving investment in analog telephones and faxes. It allows Service Providers to deploy rapidly and economically their solutions in SOHOs and it is the ideal solution for small branch office connection to larger private networks.

Key Benefits

Voice Functionalities

- Carrier-grade voice quality
- T.38 support
- PSTN bypass option

Ease of configuration and management

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

Security

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

Network functionalities

- QoS Support
- DHCP client
- STUN Client
- Interoperable with equipment from leading industry vendors

Mediatrix® 1104 4-port VoIP Access Device



Mediatrix 1104 Overview

The Mediatrix 1104 connects up to 4 analog phones and/or faxes to a broadband modem.

The Mediatrix 1104 enables cost-effective VoIP deployments in small offices for both IP Centrex and private network applications.

The Mediatrix 1104 has the additional benefit of supporting high compression codecs simultaneously on each analog voice ports, thus saving valuable bandwidth.

As all other Mediatrix devices, the 1104 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 or HTTP server making installation secure and transparent to the end-users. To further facilitate deployments, factory loaded configurations are possible.

In addition, an optional intelligent PSTN bypass allows Mediatrix 1104 users to make emergency calls and maintain their phone service in the event of a power outage or network failure.

Technical Specifications

IP Telephony Protocol

- SIP – RFC3261, RFC3262, RFC3263, H323, MGCP/NCS

Real-Time Transport Protocol

- RTP/RTCP per RFC 1889 and RFC 1890, RFC 2833, RFC 3389

Vocoders

- G.711 (a-law, μ -law), G.723.1, G.726, G.729a, ab

Echo Cancellation

- G.168

Silence Suppression

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

Real-Time Transport Protocols

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

Network Management Protocols

- SNMPv3, HTTP (SIP only), TFTP, DHCP

WAN Connection

- 1 10/100 Base T Ethernet RJ-45 connector

Analog Connection

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

Bypass Connection

- 1 RJ-11 connector, PSTN bypass

QoS

- ToS, DiffServ, 802.1p, 802.1Q, WFQ

Real-Time Fax

- Group 3/Super G3 Fax real-time FoIP over clear channel (G.711), G.726 or T.38

Enhanced Telephony Features

- Call Forward / Call Transfer / 3-way Conference Call / Call Waiting / Caller ID on Call Waiting / Call on Hold
- H.245 and Out-of-Band DTMF
- H.450 basic services
- Dynamic De-Jitter Manager
- Voice Activity Detection

Operating Environment

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

Power Supply

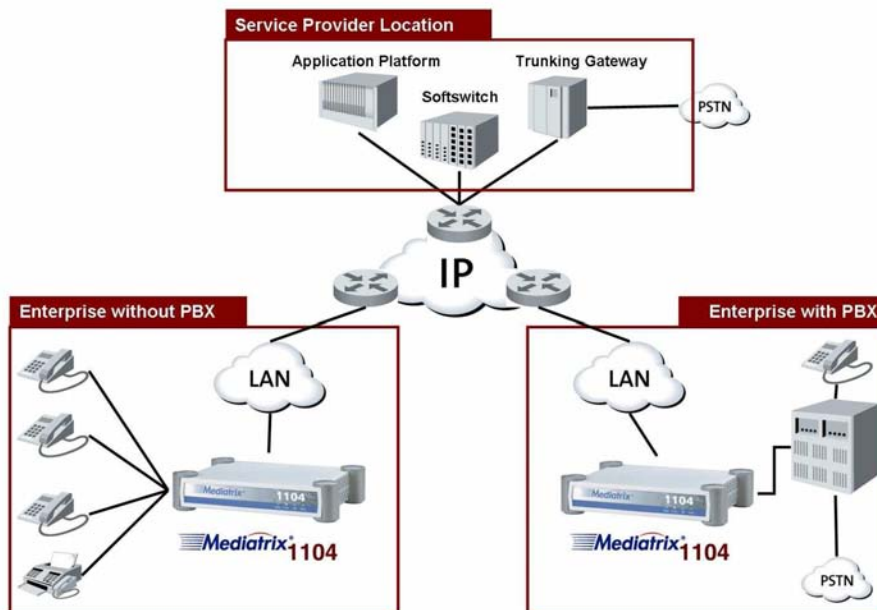
- Internal off-line power supply connected to the AC main with a standard IEC-320 power cord

Unit Dimensions and Weight

- 5.5 cm x 26.0 cm x 17.7 cm (2.2 in. x 10.2 in. x 7 in)
- Unit Weight 833 g (1.8 lbs)

Applications

SOHO Hosted Solution

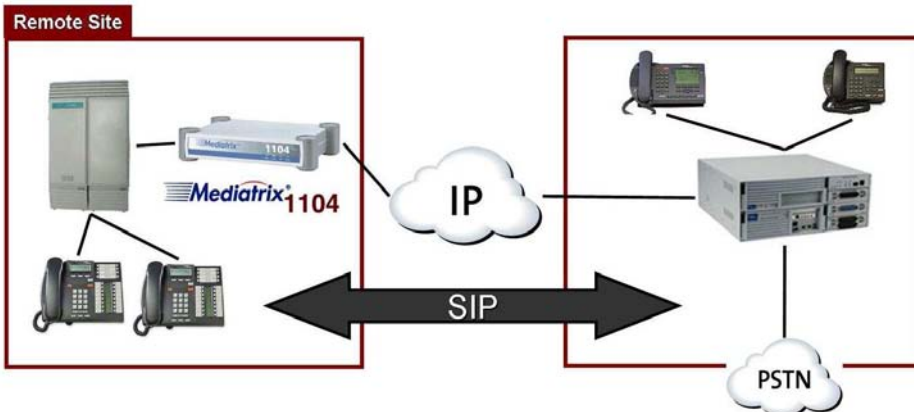


Main Advantages:

- Major savings in long-distance and PSTN access fees
- Re-use of existing analog phones and faxes
- Simplified wiring = savings in ADDS/MOVES/CHANGES
- Access to essential PSTN Emergency capabilities even during power outages

Small Branch Office Connectivity

Main Advantages:



- Maintain branch offices PSTN phone number
- Use VoIP network for internal communications
- Major savings in long-distance and PSTN access fees
- Supports all PBX telephone functionalities seamlessly