

# 1104

## VoIP Access Device

The Mediatrix® 1104 is a VoIP access device equipped with four FXS ports, one 10/100 BaseT Ethernet port and one PSTN bypass port. It connects analog phones or fax machines and legacy PBX and Key Systems to an IP telephony network. The bypass line is activated during a network failure or a power outage. The Mediatrix 1104 is functionally designed for desktop or wiring closet installation and is an ideal enterprise CPE platform for integration with an existing IP telephony architecture.



### Key Features:

- IP connectivity for analog phones and faxes
- IP connectivity for legacy PBX and Key Systems
- PSTN-quality voice over IP networks
- Deployable in SIP, H.323 or MGCP/NCS VoIP networks
- Auto configurable, remotely manageable and upgradeable
- Interoperable with equipment from leading industry vendors
- Fax over IP support, including T.38
- Multiple codec support (G.711, G.723.1, G.729)
- Desktop or wiring closet installation
- PSTN bypass port
- Internal power supply
- Ideal for enterprise, IP Centrex or hosted applications

### Protecting Investment

The Mediatrix 1104 protects customer investment in existing analog devices (phones/faxes) by connecting up to four phones and/or faxes to an enterprise or carrier-based VoIP network. This allows the Mediatrix 1104 to protect the investment in handsets, typically one of the most expensive parts of a network. For enterprise end-users, the Mediatrix 1104 provides a simple, transparent and cost-effective migration to an IP-based telephony infrastructure without the need to discard existing analog devices.

The Mediatrix 1104 also provides IP connectivity to analog CO trunk ports of a PBX or analog CO line ports of a Key System to IP-enable legacy telephone systems – allowing legacy system users to take advantage of VoIP benefits.

### Applications

For service providers, carriers and system integrators, the Mediatrix 1104 creates additional revenue-generating opportunities by immediately bringing existing enterprise users online to new high-value IP telephony services. As a cost-effective solution, the Mediatrix 1104 is ideal for connecting enterprises to IP Centrex or hosted services deployed by carriers or service providers. System integrators can deploy the devices as part of a private end-to-end IP telephony solution.

The Mediatrix 1104 makes use of existing broadband access equipment to connect to any standards-based VoIP network. In addition to interfacing with legacy telephone systems, the Mediatrix 1104 also interfaces with IP-based telephone systems by connecting analog phones and fax machines to an IP-PBX or IP-Key System. Plus, the Mediatrix 1104 offers full integration with the Mediatrix IP Communication Server resulting in an end-to-end converged enterprise solution.

## Mediatrix Benefits

To ensure maximum flexibility, Mediatrix access devices and gateways can be configured to support the SIP, H.323 or MGCP/NCS IP telephony signaling protocol. The units can dynamically detect the most commonly used IP telephony codecs and fax protocols, including T.38, and can be auto-provisioned, remotely managed and upgraded through Mediatrix' own innovative and user-friendly management tool – the Mediatrix Unit Manager Network.

Mediatrix units feature attractive designs for either desktop or wiring closet installations and their built-in multi-protocol and remote upgrade capabilities protect users from obsolescence as standards evolve and new service offerings are created.

Mediatrix VoIP products are feature-rich with security and QoS support capabilities and offer seamless integration with proprietary features of leading vendors' communications management systems including softswitches, gatekeepers, proxy servers and call agents.



For additional information, contact your Mediatrix Representative, or call: 1-877-GET-VOIP or (514) 285-0058



[www.mediatrix.com](http://www.mediatrix.com)

## Technical Specifications

### IP Telephony Protocols

SIP, H.323, MGCP/NCS

### Telephony Features Supported\*

Caller ID, Call Waiting, Caller ID on Call Waiting, Call on Hold, Call Forward, Call Forward on Busy or on No Answer, Call Transfer with or without Consultation, 3-Way Conferencing, Call Transfer with 3-Way Conferencing Consultation, Early H.245 and Out-of-Band DTMF, H.450 basic services, Dynamic De-Jitter Buffer Manager, Voice Activity Detection.

### Vocoders

G.711 (A-law,  $\mu$ -law), G.723.1, G.729a,b

### Echo Cancellation

G.168

### Silence Suppression

Silence detection / suppression and Comfort Noise Generation level software adjustable

### Network Management Protocols

SNMPv2/3 (SIP, MGCP and NCS versions), HTTP (H.323), TFTP, DHCP

### Real-Time Transport Protocols

RTP per RFC 1889, RFC 1890, RTCP

### Ethernet Connection

1 RJ-45 connector, 10/100 BaseT Ethernet access

### Analog Connection

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

### Bypass Connection

1 RJ-11 connector, PSTN bypass

### QoS

802.1q, DiffServ

### Real Time Fax

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

### 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

### Dimensions & Weight

Height: 5.5 cm, 2.2 in.

Width: 26 cm, 10.2 in.

Depth: 18 cm, 7.0 in.

Weight: 816 g, 1.8 lbs

\* Some features not supported in all IP signaling protocols.