

1124

VoIP Access Device

The Mediatrix® 1124 is a VoIP access device equipped with a single RJ-21 TELCO connector providing twenty-four FXS extensions, 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 unit's bypass line is activated during a network failure or a power outage. The Mediatrix 1124 is designed for multi-dwelling unit / multi-tenant unit (MDU/MTU) applications and is an ideal solution for legacy 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 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)
- Wiring closet installation for transparent VoIP implementation
- PSTN bypass port
- Internal AC power supply or DC power feed
- Ideal for IP Centrex, hosted or carrier-based applications



Protecting Investment

The Mediatrix 1124 protects customer investment in existing analog devices, primarily phones and fax machines, by providing access to an enterprise or carrier-based VoIP network.

In MDU/MTU applications, the Mediatrix 1124 provides a simple, transparent and cost-effective way to migrate users to an IP-based telephony infrastructure without the need to discard existing analog devices. Since the Mediatrix 1124 is ideal for a wiring closet installation, existing cables and wires can remain in place – bringing additional cost-savings and further facilitating network migration.

In addition, by providing IP connectivity to analog CO trunk ports of a PBX or analog CO line ports of a Key System, the Mediatrix 1124 IP-enables legacy telephone systems and makes IP telephony applications available.

Applications

Service providers and carriers will benefit from additional revenue-generating opportunities created by the Mediatrix 1124. The unit immediately brings existing enterprise and residential users online to new high-value IP telephony services. The Mediatrix 1124 is a cost-effective solution that is ideal for connecting enterprises to IP Centrex or hosted services deployed by carriers and service providers. Additionally, the Mediatrix 1124 can be deployed as part of a VoIP offering to MDU/MTUs by making use of a building's existing wiring and cable infrastructure.

The Mediatrix 1124 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 1124 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 1124 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

Technical Specifications

IP Telephony Protocols

SIP, 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, Dynamic De-Jitter Buffer Manager, Voice Activity Detection.

Vocoders

G.711 (A-law, μ -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

SNMPv3, 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

1 RJ-21X TELCO 25 pairs connector, 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

AC: Standard power cord receptacle (IEC 320 – C14) for universal AC input internal SMPS

DC: Barrier Terminal Strip 48Vdc power supply

Dimensions & Weight

Industrial rack-mountable: 19 in. (EIA-310-D standard)

Height: 4.4 cm, 1.74 in.

Width: 43 cm, 17.19 in.

Depth: 21 cm, 8.4 in.

Weight: 1.7 kg, 3.7 lbs (approx.)

* Some features not supported in all IP signaling protocols.