

1204

VoIP Gateway

The Mediatrix® 1204 is an analog VoIP gateway equipped with four FXO ports and one 10/100 BaseT Ethernet port. It can connect analog PSTN lines and legacy PBX Systems to an IP telephony network. Its low-density design makes the Mediatrix 1204 a cost-effective gateway suitable for small and medium size enterprises and an ideal CPE platform for integration with an existing IP telephony architecture deployed by service providers, carriers or system integrators.



Key Features:

- IP connectivity for analog PSTN lines
- IP connectivity for legacy PBX Systems
- PSTN connectivity to IP-based telephone systems
- Provides PSTN users access to a VoIP Network
- PSTN-quality voice over IP networks
- Deployable in SIP or H.323 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)
- Internal power supply
- Ideal for enterprise or carrier-based applications

Connecting the IP and the PSTN

The Mediatrix 1204 bridges the gap between the IP and the PSTN. It connects up to four analog CO lines to the IP through a single 10/100 BaseT Ethernet port – providing convenient access to an IP telephony network for PSTN users around the world. The Mediatrix 1204 also provides PSTN access for various VoIP endpoints such as IP phones, FXS devices, softphones and IP-based PBX and Key Systems.

For enterprise end-users, the Mediatrix 1204 provides a simple, transparent and cost-effective way of maintaining a connection to the PSTN while migrating to an IP-based telephony infrastructure. Moreover, by providing IP connectivity to analog extension ports of a PBX, the Mediatrix 1204 IP-enables legacy PBX systems and makes IP telephony applications available.

Applications

Service providers, carriers and system integrators will benefit by the additional revenue-generating opportunities created through a host of applications deployed at enterprise end-user sites. As a cost-effective solution, the Mediatrix 1204 is ideal for allowing remote IP endpoints to behave like PBX extensions. Additionally, the Mediatrix 1204 provides a gateway to the PSTN for IP-based PBX and Key Systems. When configured with a communications management system, the Mediatrix 1204 can offer PSTN connectivity to IP phones and softphones – a popular feature requested by many end-users on IP endpoints.

The Mediatrix 1204 can make use of existing broadband access equipment to connect to any standards-based VoIP network. Moreover, by connecting CO lines from selected sites to a VoIP network, the Mediatrix 1204 enables carriers and service providers to offer IP-based application services to PSTN users worldwide. Plus, the Mediatrix 1204 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, H.323

Vocoders

G.711 (A-law, μ -law), G.723.1, G.729a,b

Echo Cancellation

G.168

Silence Suppression

Silence detection / suppression level software adjustable

Network Management Protocols

SNMPv2 (SIP), 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

PSTN Connection

4 RJ-11 connectors, analog line (FXO) interface

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

Universal power supply, (100–250 Vac 50/60Hz) with a standard IEC320 input connector

Dimensions & Weight

Height: 5.5 cm, 2.2 in.

Width: 26 cm, 10.2 in.

Depth: 18 cm, 7.0 in.

Weight: 750 g, 1.7 lbs