Mediatrix® *1104*

IP Telephony Device

Product Specifications

Key Benefits:

- Cost-effective VoIP access device enabling high-value IP Telephony applications.
- IP connectivity for up to four existing analog phones and/or faxes.
- Desktop or wiring closet installation protecting customer investment in existing analog devices (phones/faxes).
- PSTN-quality voice over IP networks.
- Transparent migration to an IP Centrex solution.
- Deployable in a SIP, H.323 or MGCP/NCS based VoIP network.
- Auto configurable, remotely manageable and upgradeable.
- Interoperable with products of leading industry vendors.

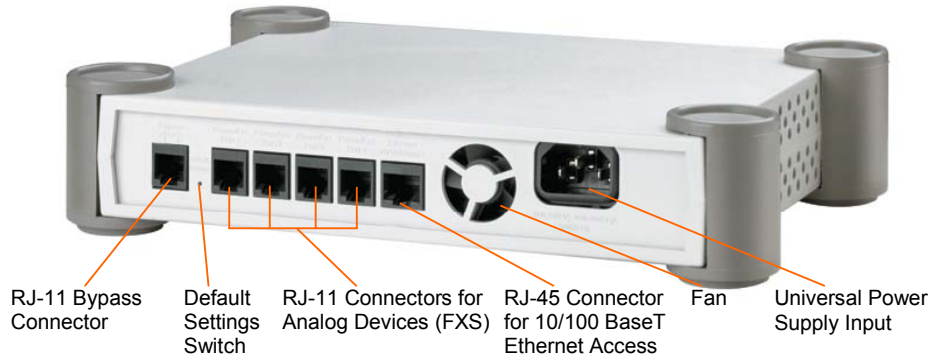The *Mediatrix*®*1104* provides IP connectivity for conventional analog telephones or Group 3 fax machines. Designed for either desktop or wiring closet installation, it protects customer investment in existing analog devices and connects up to four phones and/or faxes to a corporate or Carrier-based VoIP network, through a single 10/100 BaseT Ethernet port. It can be used to provide connectivity to broadband access equipment for a Service Provider or Carrier's IP Telephony offering to the residential, enterprise or SOHO markets.

To ensure maximum flexibility, the *Mediatrix 1104* can be configured to support the SIP, H.323 or MGCP/NCS IP Telephony signaling protocol, 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 tool, the User Manager Network. An automatic bypass function provides a connection directly to the PSTN in the event of an IP network failure or power outage. In addition, the *Mediatrix 1104* can be used as a gateway from Key Systems onto a VoIP network.

For **Corporate, Residential and SOHO end-users**, the *Mediatrix 1104* provides a simple and cost-effective way to migrate to an IP-based Telephony infrastructure without the need to discard existing analog devices. For **Service Providers and Carriers**, it creates additional revenue generating opportunities by immediately bringing existing users on line to new IP Telephony services. The *Mediatrix 1104* protects the investment in wiring and handsets, one of the most expensive parts of a network. Its multi-protocol and remote upgrade capabilities protect it from obsolescence as standards evolve and new service offerings are created.

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REV. 041703

Technical Specifications

Rear view of the Mediatrix 1104

RJ-11 Bypass Connector	Default Settings Switch	RJ-11 Connectors for Analog Devices (FXS)	RJ-45 Connector for 10/100 BaseT Ethernet Access	Fan	Universal Power Supply Input

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, 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	SNMPv2 (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
Certifications	Safety: UL60950 3rd Edition (2000); CAN/CSA-C22.2 No. 60950-00; IEC60950 (3rd Edition (1999) with all national deviation); AS/NZS 3260: 1993 Class B Incorporating A1, A2, A3 and A4; ACA Technical standard TS001-1997. EMI / EMC: FCC Part 15: 1998 Class B; EN55022 (1994) Class B with amendment 1(1995) and 2 (1997); EN61000-3-2: 1995, EN61000-3-3: 1995; AS/NZS 3548: 1995 Class B; EN55024: 1998. Telecom: FCC Part 68: Subpart D; Industry Canada CS-03 issue 8, Part 1; TBR 21: January 1998; ACA Technical standard TS002-1997. Agency Approvals: CE Marking; UL/c-UL Marking; JATE Marking.
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: 26.2 cm, 10.3 in. Depth: 17.8 cm, 7.0 in. Weight: 816 g, 1.8 lb