

Mediatrix[®] 1102

IP Telephony Device

Key Benefits:

- Cost-effective VoIP access device enabling high-value IP Telephony applications.
- IP connectivity for up to two existing analog phones and/or faxes.
- Desktop 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.

Product Specifications



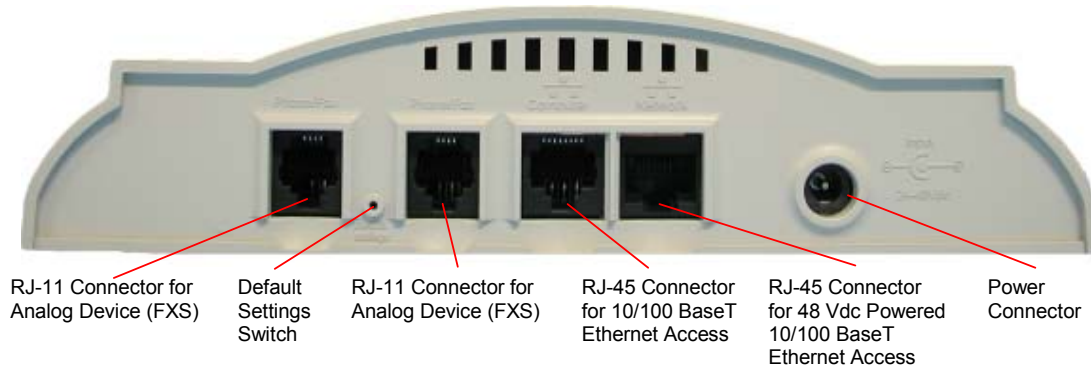
The **Mediatrix[®] 1102** provides IP connectivity for conventional analog telephones or Group 3 fax machines. Protecting customer investment in existing analog devices, it connects up to two phones and/or faxes to a corporate or Carrier-based VoIP network, through a 10/100 BaseT Ethernet port. It can be used to provide connectivity to broadband access equipment for a Service Provider or Carrier's IP Telephony offering to the residential, enterprise and SOHO markets.

To ensure maximum flexibility, the **Mediatrix 1102** 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 Unit Manager Network. The **Mediatrix 1102** comes with an attractive design and is the ideal desktop solution. Its two RJ-45 10/100 BaseT Ethernet ports provide users with several network configuration options. In addition, the **Mediatrix 1102** can be used as a gateway from Key Systems onto a VoIP network.

For **Corporate, Residential and SOHO end-users**, the **Mediatrix 1102** 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 corporate and residential users on line to new IP Telephony services. The **Mediatrix 1102** protects the investment in 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.

Technical Specifications

Rear view of the Mediatrix 1102



RJ-11 Connector for Analog Device (FXS)

Default Settings Switch

RJ-11 Connector for Analog Device (FXS)

RJ-45 Connector for 10/100 BaseT Ethernet Access

RJ-45 Connector for 48 Vdc Powered 10/100 BaseT Ethernet Access

Power Connector

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, RFC 2833
Ethernet Connection	1 RJ-45 connector, 10/100 BaseT Ethernet access 1 RJ-45 connector, 10/100 BaseT Ethernet access / powered via MDI, IEEE 802.3af and Power over LAN
Analog Connection	2 RJ-11 connectors, analog phone/fax (FXS) interface
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; IEC 60950 (3rd Edition (1999) with all national deviation). 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. Agency Approvals: CE Marking; UL/c-UL 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	Remote power feeding, IEEE 802.3af compliant or with an external 24 Vdc – 12 W wall plug power supply
Dimensions & Weight	Height: 5 cm, 2 in. Width: 20 cm, 8 in. Depth: 14 cm, 5.5 in. Weight: 454 g, 1.2 lb