

Mediatrix 4404 4 BRI ports Digital VoIP Gateway



Product Name: Mediatrix 4404 4 BRI ports Digital VoIP Gateway

Manufacturer: Mediatrix

Model Number: 4404

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The Mediatrix 4404 4 BRI ports Digital VoIP Gateway is an ideal solution for enterprises and service providers that want to easily connect ISDN equipment, such as PBXs, through a BRI interface to an IP network or as a gateway to the PSTN.

Key Benefits

- Secured SIP signalling and media transmission
- User programmable call handling
- Deployable in SIP VoIP networks
- HTTP, SNMP, FTP and TFTP for configuration and management
- Fax over IP support, including T.38
- Multiple codec support
- Multiple LEDs for status indication at a glance
- 1 to 4 ISDN BRI ports software configurable as NT or TE
- Up to 8 simultaneous calls
- 2 Ethernet ports
- Configurable point-to-point, point-to-multipoint and connector pinout
- Optional cut-through relay for emergency operation (bypass connection) between port 1 and 2.
- Optional Power Over Ethernet
- Optional Power Feeding Module for BRI phones
- May be synchronized via the Remote clock synchronization feature ('Master' unit required)

Comparison Table

Model

Interfaces

VoIP Call Capacity

Mediatrix 4401/4401plus

1 BRI port

Up to 2

Mediatrix 4402/4402plus

2 BRI ports

Up to 4

Mediatrix 4404/4404plus

4 BRI ports

Up to 8

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Note that plus versions e.g 4401plus are Power over Ethernet (PoE)

Product Overview Connecting up to 4 BRI ports, the Mediatrix 4400 Series provide transparent ISDN port extensions over an IP network. The remote ISDN terminals can be managed centrally and benefit from PBX services such as calling groups and voice mail. The Mediatrix 4400 Series is also compliant with multiple enhanced security protocols offering a rich feature set including: SIP, MIKEY, TLS, SRTP, certificates management, and HTTPS. **Mediatrix 4400 Series Models** The Mediatrix 4400 series are available in three configurations; 1, 2 or 4 ISDN BRI interface ports. **Applications Key Benefits Technical Specifications Documentation** The Mediatrix 4400 Series digital VoIP gateways allow any office to use an existing IP network for lower-cost voice communications. The Mediatrix units link any standard ISDN BRI connection to the IP network and deliver the clarity of toll quality voice for a comprehensive VoIP solution. T.38 FoIP, fax bypass, and modem bypass capabilities ensure that the Mediatrix 4400 Series seamlessly transport voice and data services. The Mediatrix 4400 Series offer flexibility and scalability for VoIP network integration and low bandwidth voice. With configurable NT/TE BRI ports, call-switching and user programmable call routing (including caller/called ID), Mediatrix 4400 digital gateways integrate smoothly into existing PBX and PSTN networks. **Voice Processing**

- Vcoders: G.711 (A-law, `-law), G.723.1, G.726, G.729a/b
- G.168 echo cancellation
- DTMF detection and generation
- Carrier tone detection and generation
- Silence detection / suppression and Comfort Noise Generation level software adjustable
- Configurable dejitter buffer
- Configurable tones (dial, ringing, busy)
- Configurable transmit packet length
- RTP/RTCP - RFC 1889, RFC 1890, RFC 2833, RFC 3389

Enhanced Security

- HTTPS, for the exchange of Configuration File and web pages.
- SRTP with MIKEY or SDP.
- Supported Cypher
 - AES – 128 bits
 - MIKEY protocol key management (RFC 3830 and 4567).
 - SDP key management protocol (RFC 4568).
 - X.509 Certificate management.
 - TLS transport method.
 - Supported Key Exchange Mechanism: - RSA - Diffie-Hellman
 - Supported Cyphers (minimum): - AES (128 and 256 bits) - 3DES (168 bits)

Fax and Modem Support

- Fax over IP
- T.38 Fax relay (9.6 k, 14.4 k)
- G.711 Fax and Modem Bypass
- Clear channel (G.711) or T.38
- T.38, fax tone detection and pass-through on G.711 and G.726

IP Telephony Protocol

- SIP
- Multiple SIP Proxy support via DNS SRV

Voice Signalling

- Euro ISDN EDSS-1 / ETSI PRI/NET5
- ETS 300 012-1 (ITU-T I.430)
- ETS 300 402-2 (ITU-T Q.921)
- ETS 300 403-1/2 (ITU-T Q.931)
- ETS 300 102-2 (ITU-T Q.931)
- ETS 300 402-1 (ITU-T Q.921)
- ETS 300 403-2 (ITU-T Q.931)
- ETS 300 102-1 (ITU-T Q.931)
- ISDN speech, audio and data (Fax Gr 4, UDI 64, RDI 64)
- ECMA-143 (QSIG-BC)

Call Routing

- Local switching
- Interface hunt groups
- Routing Criteria - Interface - Calling/called party number - Time of day, day of week, date - ISDN bearer capability
- Number manipulation functions - Replace numbers - Add/remove digits - Multiple remote gateways - PLAR
- Call properties manipulations
- SIP header manipulations

QoS

- TOS/DiffServ
- IEEE 802.1p/Q

Management

- Web-based GUI
- TFTP, FTP, HTTP configuration up- and download (Auto-provisioning)
- TFTP, FTP, HTTP firmware upgrade
- SNMPv1, v2 and v3 agent (MIB II and private MIB)
- TR-069 for massive deployments (optional feature available at purchase time)

WAN Connection 1 x 10/100 BaseT Ethernet RJ-45 connector Operating Environment

- Operating temperature: 0oC to 40oC
- Storage temperature: -20oC to +70oC
- Humidity: up to 85 %, non-condensing

Power Supply External 12 Vdc power supply (wall plug or desktop, based on country/area model). Mechanical Desk mount (horizontal/vertical) or Wall mount Dimensions

- Height: 4.9 cm (1.9 in.) approx.
- Width: 22 cm (8.7 in.) approx.
- Depth: 17.6 cm (6.9 in.) approx.

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- Weight: 545 g (0.75 lb.) approx.

Price: £586.80

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