

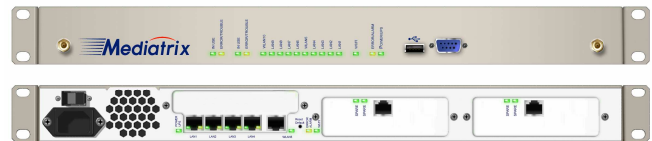
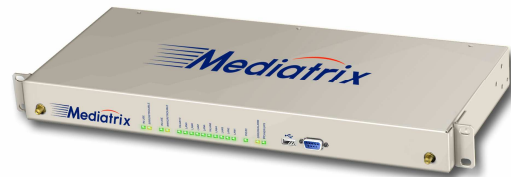


Mediatrix® 3600 Series Digital VoIP Gateway – E1 PRI

The Mediatrix 3600 Series allows enterprises to lower communications costs over any IP link.

It is a multi-function device combining VoIP IAD & Gateway in a flexible and powerful platform. It applies to SIP Trunking, PBX IP Trunking, and PSTN access for local VoIP equipments solutions.

The Mediatrix 3600 Series also allows Carriers, Service Providers, and System Integrators to deploy secure systems and generate additional revenue streams.



Key Benefits

- Feature-rich carrier grade product.
- 1 or 2 ISDN E1 PRI interface ports.
- 30 or 60 simultaneous calls.
- Deployable in SIP VoIP networks.
- User-programmable call handling.
- Security features: SNMPv3, SSH, HTTPS. Hardware ready and capable to support SRTP and SIP over TLS.
- Proven voice algorithms implemented on dedicated DSP engine for enhanced voice quality on each interface card.
- Fax over IP support, including T.38.
- Multiple codec support.
- Remote management capabilities.

Product Overview

Designed specifically for enterprise applications, the Mediatrix 3600 Series gateways make use of existing broadband access equipment to connect to any standards-based VoIP network.

The Mediatrix 3600 Series gateways meet the requirements of enterprises that want to connect their ISDN equipment, such as PBXs, through a E1 PRI interface to an IP network or as a gateway to the PSTN.

The Mediatrix 3600 Series is targeting:

- Enterprises with branch offices and remote offices, including SOHOs.
- Enterprises seeking access to the benefits of Voice over IP without discarding existing legacy equipment.
- Enterprises wishing to implement Voice over IP through a gradual, transparent, and cost-effective migration.
- Multi-tenant / multi-dwelling units and premises wishing to implement Voice over IP while maintaining existing wiring and handsets.
- Enterprises looking to implement secure RTP (SRTP) and Secure SIP (SIPS) in the future.

The Mediatrix 3600 Series is member of the 3000 family, which additionally offers IP Router, VPN, SIP aware NAT/Firewall and QoS control services.

Sales Department

Americas - Tel: 1-877-GET-VOIP / (877) 438-8647 Tel: (819) 829-8749 Fax: (819) 829-5100

Europe, Middle East, Africa - Tel: 49 (0)30-3496-2085 / CALA - Tel: (954) 349-0394 Fax: (954) 349-8722

© 2007, Mediatrix Telecom, a Division of Media5 Corporation

MIP-GES070115 3600ProductBrochure



3600 Series Digital Gateways

Applications

The Mediatrix 3600 VoIP gateways allow any office to use an existing IP network for lower-cost voice communications.

The Mediatrix units link any standard ISDN E1 PRI 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 3600 gateways seamlessly transport voice and data services. The Mediatrix 3600 gateways offer flexibility and scalability for VoIP network integration and low-bandwidth voice.

With configurable NT/TE E1 PRI ports, call-switching, and user-programmable call routing (including caller/called ID), Mediatrix 3600 gateways integrate smoothly into existing PBX and PSTN networks.

Mediatrix 3600 Hardware Models

Mediatrix 3631 – 1 x PRI E1 card

- Up to 30 simultaneous calls
- 1 ISDN E1 PRI port software configurable
- NT/TE software configurable

Mediatrix 3632 – 2 x PRI E1 cards

- Up to 60 simultaneous calls
- 2 ISDN E1 PRI ports software configurable
- NT/TE software configurable

Technical Specifications

Voice Processing

- Vocoders: G.711 (A-law, μ -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 transmit packet length
- RTP/RTCP - RFC 1889, RFC 1890, RFC 2833, RFC 3389

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

IP Telephony Protocol

- SIP

Management

- SNMPv3, HTTP, FTP, TFTP, HTTPS
- Auto-provisioning for VoIP parameters
- Automatic firmware download
- User-friendly web Pages for VoIP Parameters

ISDN Signaling

- ISDN NI-2 (US T1 PRI)
- ISDN DMS100 (US T1 PRI)
- ISDN 5ESS (US T1 PRI)
- Euro ISDN EDSS-1 / ETSI PRI/NET5
- ETS 300 011 (ISDN PRI UNI)
- 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)
- ISDN speech, audio and data (Fax Gr 4, UDI 64)

Voice 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

QoS Marking

- TOS/DiffServ
- IEEE 802.1p/Q

WAN Connection

- 1 x 10/100 BaseT Ethernet RJ-45 connector

Physical Specifications

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 100-240 VAC power supply

Mechanical

- Rack mount, Desk mount, Wall mount
- 2 interface card slots
- Stackable units to increase port count

Dimensions

- Height: 4.4 cm (1.73 in.) approx.
- Width: 44.5 cm (17.5 in.) approx.
- Width (mounting brackets): 48.5 cm (19 in.) approx.
- Depth: 20.5 cm (8 in.) approx.

Sales Department

Americas - Tel: 1-877-GET-VOIP / (877) 438-8647 Tel: (514) 285-0058 Fax: (514) 842-0125
Europe, Middle East, Africa - Tel: +39-02-84742281 Fax: +39-02-84742212