Product Name: Mediatrix 3742 1 x 6 FXO ports + 2 FXS port card 5 BRI ports VoIP Gateway
Manufacturer: Mediatrix
Model Number: 3742

Mediatrix 3742 1 x 6 FXO ports + 2 FXS port card 5 BRI ports VoIP Gateway
The Mediatrix 3742 1 x 6 FXO ports + 2 FXS port card 5 BRI ports VoIP Gateway is a multi-function VoIP devices in a secure and powerful platform, that are designed specifically for enterprise applications including branch office and remote office scenarios. Mediatrix 3000 Series Overview: The Mediatrix 3000 series gateways meet the requirements of enterprises that want to connect their Analog or ISDN equipment, such as PBXs, through a FXS, FXO, BRI, or PRI interface to an IP network or as a gateway to the PSTN, making use of existing broadband access equipment to connect to any standards-based VoIP network With FXO interfaces, it is the ideal solution to deploy private or hosted toll bypass networks. It provides a simple, transparent and cost-effective way of maintaining a connection to the PSTN. Comparison Table

Model

Interfaces

VoIP Call Capacity

Mediatrix 3731
1xT1/E1 port 7 FXS ports
Up to 37

Mediatrix 3732
1 x 6 FXO ports + 2 FXS ports card 1 x T1/E1 card
Up to 38

Mediatrix 3734
1xT1/E1 port 5 BRI ports
Up to 38

Mediatrix 3741
7 FXS ports 5 BRI ports
Up to 15

Mediatrix 3742
1 x 6 FXO ports + 2 FXS port card 5 BRI ports
Up to 15

The Mediatrix 3000 series targets:

• 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 looking to implement secure RTP (SRTP) and Secure SIP.
• 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.

The Mediatrix 3000 series platforms are available with different packages including the Basic Digital Gateway. Mediatrix 3000 Series Gateways, Highly Flexible and Scalable The Mediatrix 3000 Series offers complete customizable and scalable architecture. It allows the configuration of different expansion cards to adapt to customer needs. Benefits

• Feature rich carrier grade product
• Analog FXS, FXO, ISDN BRI, or T1/E1 PRI interface ports
• Deployable in SIP VoIP networks
• Up to 60 simultaneous calls
• Secured SIP signalling and media transmission
• User programmable call handling
• Networking features: complete VoIP-enabled IP router
• Security features: NAPT/Firewall, VPN, SNMPv3, SSH, HTTPS. Hardware ready and enhanced capable to support SRTP and SIP over TLS
• Proven voice algorithms implemented on dedicated DSP engine for voice quality on each interface card
• Fax over IP support, including T.38
• Multiple codec support
• Can support local VoIP network
• Remote management capabilities
• TR-069 for massive deployments (optional feature available at purchase time)
• May be synchronized via the Remote clock synchronization feature (‘Master’ unit required) – Mediatrix 3400 models.

Mediatrix 3208 / 3216 - FXO

• 6 FXO Ports + 2 FXS ports card
• 1 or 2 cards
• Up to 16 simultaneous calls

Mediatrix 3308 / 3316 – FXS

• 7 FXO + 1 FXS card
• 1 or 2 cards
• Up to 16 simultaneous calls

Mediatrix 3404 / 3408 - BRI

• 5 ISDN BRI ports software configurable as NT or TE per card
• 1 or 2 BRI cards
• 8 or 16 simultaneous calls
• Configurable point-to-point, point-to-multipoint and connector pinout

• Cut-through relay for emergency operation (bypass connection)
• Optional power feeding module

Mediatrix 3531 / 3532 – PRI T1

• 23 or 46 simultaneous calls
• 1 or 2 ISDN PRI ports
• NT/TE software configurable

Mediatrix 3621 / 3631 / 3632 – PRI E1

• 15, 30 or 60 simultaneous calls
• 1 or 2 ISDN PRI ports
• NT/TE software configurable

Mediatrix 3731

• 1xT1/E1 PRI card software configurable as NT or TE
• 7 FXS ports + 1 Bypass port card
• Up to 37 simultaneous calls

Mediatrix 3732

• 1 x 6 FXO ports + 2 FXS ports card
• 1xT1/E1 card software configurable as NT or TE
• Up to 38 simultaneous calls

Mediatrix 3734

• 1xT1/E1 PRI card software configurable as NT or TE
• 4 + 1 bypass ISDN BRI ports card software configurable as NT or TE
• Up to 38 simultaneous calls

Mediatrix 3741

• 7 FXS ports + 1 Bypass port card
• 4 + 1 bypass ISDN BRI ports card software configurable as NT or TE
• Up to 15 simultaneous calls

Mediatrix 3742

• 6 FXO ports + 2 FXS port card
• 4 + 1 bypass ISDN BRI ports card software configurable as NT or TE
• Up to 15 simultaneous calls

Voice Processing

• Vocoders: 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 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 SDES. - Supported Cypher AES – 128 bits
• MIKEY key management protocol (RFC 3830 and 4567).
• SDES key management protocol (RFC 4568).
• X.509 Certificate management.
• TLS transport method.
• Supported Key Exchange Mechanism: - RSA - Diffie-Hellma
• 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

Management

• SNMPv3, HTTP, FTP, TFTP, HTTPS
• Auto-provisioning for VoIP parameters
• Automatic firmware download
• User-friendly web Pages for VoIP Parameters
• TR-069 for massive deployments (optional feature available at purchase time)

ISDN Signaling

• 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 NI-2 (US T1 PRI)
• ISDN DMS100 (US T1 PRI)
• ISDN 5ESS (US T1 PRI)
• ISDN speech, audio and data (Fax Gr 4, UDI 64, RDI 64)
• ECMA-143 (QSIG-BC)

CAS Signaling (Mediatrix 3600 Series)

• E1 R2 Digital Line Signalling (ITU-T Q.421)
• E1 R2 MFC Interregister Signalling (ITU-T Q.441)

• Country-specific R2 settings for Brazil, Argentina, Mexico and Saudi Arabia

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 Marking

• TOS/DiffServ
• IEEE 802.1p/Q

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 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

IP Routing NAT and Firewall

• NAT/PAT/Firewall
• Statefull inspection
• Static routes
• Source-based routing, IP filtering and Port forwarding
• DHCP Client
• DHCP Server
• PPPoE client
• VLAN support

QoS / Traffic Control

• 802.1q priority tagging
• TOS/DiffServ tagging

LAN Switch 4 Ethernet 10/100 Base-T Ethernet RJ-45 ports enabled Enhanced Telephony Features

• Call Forward / Call Transfer / Conference Call / Call Waiting support
• Inter-digit timer and IP dialing

- Echo Cancellation / Dynamic Jitter Buffer / Voice Activity Detection / Silence Suppression
- Message Waiting Indication, via FSK
- Flash hook event signaling
- Caller ID Generation (Name & Number) as per Bellcore DTMF or FSK
- CCNR / CCBS
- PRACK & UPDATE
- Multiple Virtual Gateways

Price: £1,518.40