

## Epygi QuadroM32x Enterprise IP PBX



Product Name: Epygi QuadroM32x Enterprise IP PBX

Manufacturer: -

Model Number: QuadroM32x

### Epygi QuadroM32x Enterprise IP PBX

The Epygi QuadroM32x Enterprise IP PBX is designed to deliver greater IP Line capacity, reaching 192 registered extensions and 64 concurrent calls. Epygi's largest IP PBX continues to deliver all the features currently found on our existing Quadro line with the addition of some vital enterprise grade tools. Conferencing and Automatic Call Distribution are a few of the unique features to this product. Third party integration with Unified Multimedia Communications platforms is another key solution for large businesses. Expanding the digital and analog trunking capacity of the QuadroM32x is simple using Epygi Quadro Gateways. Epygi's FXO, ISDN, and E1/T1 Gateways with the Quadro and QuadroM IP PBX line. This flexibility will allow our customers to satisfy any configuration need.

- Large capacity
- Increased reliability & redundancy
- True Enterprise grade solution
- Connect upto 32 IP Phones
- Total extensions: Up to 400 including FXS phones, LAN IP phones, remote and virtual extensions
- E1/T1 ports: 1 Ethernet LAN ports: 1 Ethernet WAN ports: 1 DMZ Ethernet backup: 1 Compact Flash slot for add'l memory: 1

Integrated Conference Server Conferencing is a common feature used by today's large organizations. The QuadroM32x features an optional 64 person conference bridge with the same features found on our standalone Quadro Conference Server. The presenter can mute participants, assign speakers and track overall activity. Regular participants can also view the active meeting and can indicate a request to speak during a muted session. This productivity enhancing tool is easily enabled using a software license key.

Redundancy Options The QuadroM32x also offers a built-in E1/T1 digital trunk interface. This link can be used as the primary interface or as a redundant link while utilizing an ITSP as the primary service. Redundant Ethernet links are also included for secondary failover networks or a voice DMZ. Note: Please refer to the Epygi IP PBX Range Detailed Comparison Table for more information.

### Technical Specifications

#### PBX Features

- Call blocking, Forwarding, Hold, Transfer
- Call relay, Call waiting, Caller
- ID Detection
- Voice mail
- Call park, Pickup, Paging, Intercom
- Multi-level auto attendant with Interactive
- Voice Response (IVR) and VoiceXMLv2 support
- Voice mail with SMS notification
- Distinctive ringing
- Speed dialing
- Many extension ringing
- Receptionist
- Call hunting, Hiding Caller ID
- Automated Call back from Auto
- Attendant
- Hold music

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- Call statistics
- Do Not Disturb
- Unified messaging
- 3-way conferencing
- Hotline service
- T.38 fax, fax relay and clear channel fax
- Unified Fax Messaging
- Busy auto-redial
- Directory assistance
- Dial plans (call routing)
- Time of day routing
- Call Queue
- Redundancy
- Voice Mail profile
- Automatic Call Distribution\*
- Call Recording (32 ports) \*
- Barge-in \*
- Audio (64 ports)/Video (16 ports)
- Conference Server \* \*Requires a software license key

### Voice and Video Features

- Voice Coding: G.711, G.726 (16, 24, 32, 40 Kbps), G.729A, iLBC (13,33 kbit/s, 15,2 kbit/s); VAD, CNG, G.168 echo cancellation G.722 pass-through point-to-point HD call
- Video Coding: H.263 and H.264 pass-through point-to-point video call
- VoIP Encryption: SRTP
- VoIP Signaling SIP, SIP/TLS
- DTMF In band & out of band signaling support

### VoIP Data and Signaling Protocols

- ITU-T G711, G.726, G729 Annex A; IETF RFC 3951- iLBC; ITU-T Q.23, Q.24; Bellcore GR.506, GR.181; ITU-T G.168- 2000, 2002; ETSI 300659\_1,2,3; SIP, SIPS/TLS (RFCs: 2246, 3261, 3263, 3265, 3311, 3323, 3324, 3325, 3428, 3515, 3578, 3581, 3725, 3842, 3856, 3863, 3891, 3892, 4028, 4235) SDP (RFC: 2327, 4568) RTP/SRTP (RFCs: 1889, 1890, 2833, 3389, 3550, 3551, 3555, 3711, 4733, 3952), Fax over IP (ITU-T: T4, T30, T38, V17, V21, V27 ter, V29)
- CCS Signaling ITU-T: Q.921, Q.931 (DSS1), Q.951; ETSI ETS300 102 (NET5); ECMA-143- (QSIG); SR-NWT-002120 (NI2) NTT INS1500 for Japan PRI switch types: DSS1, NET5, QSIG, 5ESS, NTT INS1500, DMS 100
- CAS Signaling CAS (MELCAS, ITU, ITU-T2, ITU-T: Q.400, Q.411, Q.421, Q.422, Q.440-Q.442, Q.450-Q.452, Q.454, Q.455, Q.457, Q.458, Q.460-Q.468, Q.470-Q.476 Types: Loop Start, Ground Start; E&M Delay Dial, E&M Wink Start, E&M Immediate Start, E&M FGD R2 DTMF, R2 compelled, R2 non-compelled, R2 compelled with ANI, R2 non-compelled with ANI; R2 Parameters for Brazil and Mexico etc.) ANSI T1.403.02-199, T1.403.02a-2001

### Physical interfaces

- Premise connections: 2 short-loop FXS ports (RJ-11) 1 LAN Ethernet 10/100 BASE T port (RJ45) 1 Ethernet 10/100 BASE T port (RJ45)
- Uplink connections: 1 E1/T1 port to the Central Office (RJ45) 1 WAN Ethernet 10/100 BASE T (RJ45)

### Phones

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• IP phones: 32 SIP phones by default Up to 160 additional SIP phones may be added with feature keys All SIP phones can be connected both from LAN or WAN side Plug-and-Play with select IP Phone manufactures

• Analog phones: 2 Analog phones (or other analog devices) to connect via FXS ports

### Auto Attendants and Virtual Extensions

• Auto Attendants: Up to 400 standard and custom AA can be registered

• Virtual Extensions: Up to 400 Virtual Extensions can be registered\*\* \*\*\*The total number of extensions used for IP phones, Analog phones, AA and virtual extensions can not exceed 400 extensions.

### System Capacity

• Up to 64 simultaneous VoIP calls with external parties Unlimited station to station calling for IP phones Unlimited station to station calling for analog phones 30/24 PSTN calls via E1/T1 with external parties

• External Storage Compact Flash

### Internet

• STUN/NAT traversal (RFC 3489) IPSec VPN with DES, 3DES and AES encryption in tunnel mode (RFCs: 2402, 2406, 2409). Manual and automatic IKE

• key support

• PPTP VPN

• L2TP VPN

• Firewall security via:

• Intrusion Detection System

• NAT (Network Address Translation)

• Policy and service-based filtering

• Stateful inspection firewall

• DHCP server on the LAN side

• DHCP client on the WAN side

• DNS server with forwarding functionality

• SNTP (Simple Network Time Protocol) server/client for computer clock synchronization

• PPPoE connection to the ISP with PAP/(MS)CHAP authentication

• IP DIFFSERV for QoS

• Virtual LAN (VLAN/IEEE 802.1Q)

• Mail client to send voice and fax messages as e-mail attachments (.wav and .tif) and system notifications

• DNS (DYNDNS) support with third party

• NAT/Router with port forwarding and port translation.

### Management

• Management Multilingual WEB interface accessible from LAN and WAN (HTTP/HTTPS)

• Password control Remote diagnostics and software upgrade

• Auto-provisioning

• VoIP Carrier Wizard

• Download/restore configuration

• Legible and editable configuration files

• Auto-configuration of IP phones via TFTP and HTTP

• SNMP Monitoring and Configuration

• Third Party Call Control (XML RPC and Windows ActiveX interface)

• Reset button with factory reset option

## Epygi QuadroM32x Enterprise IP PBX

- Custom Language Pack
- Diagnostics/Testing
- LEDs: Busy, Info, Fault, LAN, WAN, Loop
- settings Remote testing
- Billing and Statistic Radius Client (RFCS: 2865, 2866), CDRs

### Physical Dimensions

- Rack-mountable devices: Measurements: 19" x 7.56" x 1.77" (48.0 x 19.2 x 4.5 cm)
- Weight: 2.47 lbs.(1090 g) Conditions 41&deg;F - 104&deg;F (5&deg;C - 40&deg;C) operating temperature
- 41&deg;F - 140&deg;F (5&deg;C - 60&deg;C) storage temperature
- 5% - 90% non-condensing humidity
- Power Supply Input 100 - 240 VAC; 50/60 Hz; 0.5 A
- Regulatory Compliance Telecom: TBR12/TBR13; AS/ACIF

**Please Enquire**

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