Product Name: Epygi QuadroM12Li IP PBX

Manufacturer: -Model Number: QuadroM12Li

Epygi QuadroM12Li IP PBX 2 x FXS ports SIP solution for ISDN BRI users

The Epygi QuadroM12Li allows the user to connect a traditional outside trunk while also utilizing SIP as an alternative route or main route. In addition, IP phones are supported for all users up to 96 IP users. Forty-five simultaneous calls can be supported via a SIP trunk provider and the six (6) ISDN BRI connects. The ISDN BRI ports support NT and TE selectable mode options and is intended for non-USA markets with ISDN BRI network providers. The QuadroM12Li is also equipped with two (2) FXS ports for analog devices and audio input/output jacks for music on hold and paging.

- Analog phones: 2
- IP phones: 32
- Add'I IP phones with keys: up to 96 in blocks of 16, 32 or 64
- Concurrent Calls: 45
- ISDN BRI ports: 6
- Ethernet LAN port: 1
- Ethernet WAN port: 1
- Compact Flash slot for add'l memory: 1
- Audio Input: 1
- Audio Output: 1
- Enclosure: Steel rack mount

The QuadroM12Li includes many of the advanced features found in our enterprise-level products. These features include call recording, audio conferencing, Automatic Call Distribution (ACD) for call centers and the barge-in feature pack. Advanced features are purchasable items, so customers can choose what they pay for instead of being locked into a one-size-fits-all solution. An additional value included with the QuadroM12Li is support for HD audio, point-to-point video and other desktop productivity tools. To further simplify a customer's needs, this product includes an integrated firewall, DHCP server and router for LAN management.



Technical Specifications Voice 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 Features

• H.263 and H.264 Pass-through Point-to-Point video call

PBX Features

• Call blocking, Forwarding, Hold, Transfer

- Call relay, Call waiting, Caller
- ID Detection
- Voice mail
- Call park, Pickup, Paging, Intercom
- Multilevel 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
- Call statistics
- Do Not Disturb
- Global speed dial
- Find me/Follow me
- 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
- Voice Mail profile
- Automatic Call Distribution
- Conference Server
- Call Recording
- Barge-in *Requires a software license key

Supported VoIP Data and Signaling Protocols

• 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 (RFCs: 1889, 1890, 2833, 3389, 3550, 3551, 3555, 3711, draft-ietf-avt-rfc- 2833bis-05, draft-ietf-avt-rtp-ilbc-o5),

- Fax over IP (ITU-T: T4, T30, T38, V17, V21, V27 ter, V29)
- Voice Coding (ITU-T: G711, G.726, G729
- Annex A, RFC 3951 :iLBC; IETF;ITU-T Q.23, Q.24, Bellcore GR.506, GR.181; ITU-T
- G.168-2000, 2002; ETS_300659_1,2,3)
- ISDN (ITU-T: Q.921, Q.931 (DSS1), Q.951;ETSI ETS300 102 (NET5); NTT INS1500 for Japan)

POTS

Loop start, FSK and DTMF Caller ID support

DTMF

In band & out of band signaling support

Physical interfaces

• Premise connections: 2 FXS short-loop FXS ports (RJ-11) 1 LAN Ethernet 10/100 BASE-T port (RJ-45)

• Uplink connections:1 WAN Ethernet 10/100 BASE-T (RJ45)

• Uplink connections: 6 ISDN BRI ports to the Central Office or local PBX (RJ45), NT and TE modes supported

• Audio port connections: Line-in/Line-out (Line-in Signal Level- 0,5 V RMS, Line-out Load Resistance -600 Ohm to 10K Ohm)

Phones

• IP phones: 32 SIP phones by default 64 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 200 standard and custom AA can be registered
- Virtual Extensions: Up to 200 Virtual Extensions can be registered*

System Capacity

• Up to 45 simultaneous VoIP calls with external parties Unlimited station to station calling for IP phones Unlimited station to station calling for analog phones 12 ISDN calls with external parties *The total number of extensions used for IP phones, Analog phones, AA and virtual extensions can not exceed 200 extensions.

External Storage

Compact Flash

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
- Reset button with factory reset option

Custom Language Pack

• Billing Radius Client (RFCS: 2865, 2866)

Diagnostics/Testing

• LEDs: Busy, Info, Fault, LAN, WAN, Loop settings Remote testing

Internet

• STUN/NAT traversal (RFC 3489) IPSec VPN with 3DES and AES encryption in tunnel mode. 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.

Please Enquire