

## Epygi Quadro4Li IP PBX 4 ISDN BRI Ports



Product Name: Epygi Quadro4Li IP PBX 4 ISDN BRI Ports

Manufacturer: -

Model Number: Quadro4Li

### Quadro4Li IP PBX 4 ISDN BRI Ports

The Epygi Quadro4Li is ideal for the small businesses which require IP PBX features only available in large enterprise solutions. The four ISDN BRI lines allow this solution to offer higher concurrent calls for busy offices, allowing 8 PSTN and 12 VoIP calls. Features & Benefits

• 1/2 NT and TE Mode Support

• 1/2 PBX Feature Flexibility

• 1/2 Turn Key Installation

• 1/2 ISDN or IP Options

It economically delivers a wealth of IP PBX features and Key System benefits. Voice mail, auto attendant, on-hold music or messaging, caller ID with distinctive ringing, call pickup, paging and intercom and many other features are included. Sophisticated auto-recognition and auto-configuration capabilities simplify installation and operation. The administrator can modify automatic assignments through the graphical user interface. High Density Solution With the choice of 4 ISDN BRI ports or using an Internet Telephony Service provider, the number of concurrent calls is greatly increased. Supporting up to 18 extensions, this SMB solution is a perfect fit for large offices. The available features on the Quadro4Li remain the same as with other Quadro IP PBX models. Legacy Phone System Replacement Epygi designed the Quadro4Li for deployment right out of the box as a turnkey solution. Using advanced plug-and-play IP phones and multiple ISDN BRI ports for PSTN access, this IP PBX is fully featured without the expensive feature licenses. As a bonus, Epygi allows the BRI ports to operate in NT mode to support legacy BRI phones. Note: Please refer to the Epygi IP PBX Range Detailed Comparison Table for more information.

### Technical Specifications

#### Voice Features

• 1/2 Voice Coding G.711, G.726 (16, 24, 32, 40 Kbps), G.729, iLBC (13,33 kbit/s, 15,2 kbit/s); (RFC 3951, ITU-T: G.711, G.726, G.729 Annex A; IETF; GR.181; A-law, m-law coding)

• 1/2 NAT traversal (both manually and STUN)

• 1/2 VAD, CNG, G.168 echo cancellation;

• 1/2 Reduced simultaneous channel capacity; Supported Called ID standard

• 1/2 ETS\_300659\_1,2,3

#### Bandwidth Requirements

• 1/2 Per call WAN bandwidth requirements for the following codecs (non-encrypted/ VPN encrypted):  
 G.711 20 msec 84 kbps/105 kbps G.726-16 20 msec 37 kbps/59 kbps  
 G.726-24 20 msec 45 kbps/65 kbps G.726-32 20 msec 52 kbps/74 kbps G.726-40 20 msec 60 kbps/80 kbps  
 G.729a 20 msec 29 kbps/49 kbps iLBC 30 msec 27 kbps/41 kbps

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### PBX Features

- 1/2 Call blocking\*, Forwarding, Hold, Blind
- 1/2 Transfer and Transfer with consultation\*
- 1/2 Call relay\*, Call waiting\*
- 1/2 Caller ID Detection, Voice mail
- 1/2 Call park\*, Pickup\*, Paging\*, Intercom\*
- 1/2 Multilevel auto attendant with Interactive
- 1/2 Voice Response (IVR) and VoiceXMLv2 support\*
- 1/2 Voice mail with SMS notification\*
- 1/2 Distinctive ringing\*
- 1/2 Speed dialing\*
- 1/2 Many extension ringing\*
- 1/2 Receptionist
- 1/2 Call hunting\*, Hiding Caller ID\*
- 1/2 Automated Call back from
- 1/2 Auto Attendant\*
- 1/2 Hold music
- 1/2 Call statistics
- 1/2 Do Not Disturb service\*
- 1/2 Unified messaging\*
- 1/2 3-way conferencing\*
- 1/2 T.38 fax, fax relay and clear channel fax\*
- 1/2 Unified Fax Messaging\*
- 1/2 Busy auto-redial\*
- 1/2 Directory assistance\*
- 1/2 Dial plans (call routing)\*
- 1/2 IP Routing\*
- 1/2 Call Queue\*
- 1/2 Key System Emulation

### Call Signaling

- 1/2 SIP on the WAN and LAN side (RFCs: 3261, 3263, 3265, 3311, 3323, 3324, 3325, 3428, 3515, 3578, 3581, 3725, 3891, 3892, 3842, 3856, 3863, 4028, 4235) SDP (RFC 2327) RTP (RFCs: 1889, 1890, 2833, 3389, 3550, 3551, 3555, draft-ietf-avt-rfc-2833bis-05, draft-ietf-avt-rtp-ilbc-o5), in band and out of band signaling support
- 1/2 RTP Proxy Fax over IP (ITU\_T: T4, T30, T38, V17, V21, V27 ter, V29).

### ISDN Signaling

- 1/2 TU-T: Q.921, Q.931 (DSS1), Q.951; ETSI ETS300 102 (NET5); NTT INS1500 for Japan

\* Features not available in Key System Emulation Mode

### LAN IP Phones

- 1/2 10 SIP phones 8 additional SIP phones may be added with a feature key Remote IP extensions may be enabled for all IP phones.

### System Capacity

- 1/2 12 simultaneous VoIP calls with external parties
- 1/2 Remote IP extensions may be enabled for all IP phones.

### Premise Connection

## Epygi Quadro4Li IP PBX 4 ISDN BRI Ports

- 1 IP Phones 1 Ethernet 100BASE T (RJ45).
- 1 Uplink Connection 1 Ethernet 10BASE T (RJ45)
- 1 ISDN Connection
- 4 ISDN ports to the Central Office or local PBX (RJ45), NT and TE modes supported
- 1 Billing Radius Client (RFCS: 2865, 2866)
- 1 Extensions Up to 100 extensions including virtual, remote and local.
- 1 Extensions can be registered on different SIP servers.

### Internet

- 1 STUN/NAT traversal (RFC 3489)
- 1 IPSec VPN with DES, 3DES and AES encryption in tunnel mode (RFCs: 2402, 2406, 2409).
- Manual and automatic
- 1 IKE key support
- 1 PPTP VPN
- 1 L2TP VPN
- 1 Firewall security via:
- 1 NAT (Network Address Translation)
- 1 IDS
- 1 Policy and service-based filtering
- 1 Stateful inspection firewall
- 1 DHCP server on the LAN side
- 1 DHCP client on the WAN side
- 1 DNS server with forwarding functionality
- 1 SNTP (Simple Network Time Protocol) server/client for computer clock synchronization
- 1 PPPoE connection to the ISP with
- 1 PAP/(MS)CHAP authentication
- 1 IP DIFFSERV for QoS
- 1 Mail client to send voice and fax messages (.wav and .tif) as e-mail attachments and system notifications.
- 1 DNS (DYNDNS) support with third party
- 1 NAT/Router with port forwarding and port translation

### Management

- 1 Multilingual WEB interface accessible from LAN and WAN (HTTP/HTTPS),
- 1 Password control
- 1 Remote diagnostics and
- 1 software upgrade
- 1 Auto-provisioning
- 1 VoIP Carrier Wizard
- 1 Download/restore configuration
- 1 Legible and editable configuration files
- 1 Auto-configuration of IP phones via TFTP and HTTP.
- 1 SNMP monitoring and configuration
- 1 Third Party Call Control XML RPC is available to order
- 1 Reset button with factory reset option
- 1 Custom Language Pack
- 1 Outlook Feature
- 1 Hot Call

### Diagnostics/Testing

- 1 LEDs: Busy, Info/Fault

## Epygi Quadro4Li IP PBX 4 ISDN BRI Ports

- ISDN diagnostics
- Remote testing and VoIP diagnostics
- Power-up diagnostics

### Physical Dimensions

- Desktop devices, wall-mountable: Measurements: 7.41" x 6.24" x 1.77" (19 x 16 x 4.5 cm)
- Weight: 13 ounces (360 g)
- Conditions 41°F - 104°F (5°C - 40°C) operating temperature
- 41°F - 140°F (5°C - 60°C) storage temperature
- 5% - 90% non-condensing humidity
- Power Supply Input 100 - 240 VAC; 50/60 Hz; 0.5 A
- Output 12.0 VDC; 1.5 A
- Regulatory Compliance
- Safety: UL 60950; CSA 22;
- EMC: FCC Part 15 Class B;
- EN55022 Class B, EN55024;
- Telecom: TBR3 (ISDN)

**Please Enquire**

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