

QX1000



Epygi QX1000: Pure SIP Enterprise IP PBX

The Epygi QX1000 introduces a new generation of Epygi products offering increased capacity for IP phones and licensable features. This solution supports 1,000 IP users and can handle 300 concurrent calls to outside parties. Continuing in the direction of Epygi's current award-winning solutions, the QX1000 will provide enterprise customers a fully featured and cost-effective product. Epygi has been enhancing the software for the IP PBX product range for over 10 years, and the same reliable software is now available in the QX1000. A single server solution will provide a high level of stability, but for customers requiring another layer of protection, the QX1000 offers a hot standby option for additional peace of mind.

Enterprise customers demand the latest in technology and the continued development necessary to prepare for the future, and this is why Epygi is the preferred choice. Software upgrades for Epygi products are regularly published at no cost for our customers. Feature development is never ignored to ensure an Epygi investment today offers the latest technology needed for tomorrow. More advanced features are easily enabled at increments to accommodate the customer's growth. Some of these features include Video/Audio Conferencing, Barge-in, ACD for call centers, Call Recording, XML API, QCM softphone and outbound dialer tools. Other exciting tools and features are available without a license, including HotCall Outlook plug-in, Epygi Media Streamer for hold music, Quadro Configuration Console, HotKeyCall and point-to-point video calling.

Analog and Digital Support

Epygi offers a large range of analog and digital gateways. These gateways can be easily connected to the QX1000 to add connections for analog phones, FXO, ISDN BRI, E1 and T1 trunks. Outside lines can be a mix of analog, digital or IP depending on the customer's particular needs. Regardless of the connection type, the QX1000 can support 300 calls.

Application Programmers Interface

No one customer is alike, and their required features may vary. The QX1000 can be enabled to support a full XML API for those unique situations. Integration with custom business applications or company websites are a few areas the XML API can enhance what the QX1000 will offer an enterprise customer. The API is always expanding as Epygi works with its customer base to continually enhance the product offering.

What are Your VoIP BENEFITS?

- Enterprise-grade Solution
- Greatly Increased Capacity
- No Cost Software Upgrades
- Core and Branch Office Solutions

Telephony

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
 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
 Redundancy
 Voice Mail profile
 Automatic Call Distribution*
 Call Recording (152 ports) *
 Barge-in *
 Audio (288 ports)/Video (104 ports)
 Conference Server *
 Auto Dialer application support*

*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
 DTME
 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;

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)

Connectivity

Physical Interfaces

Network connections:
 1 Ethernet 10/100/1000 BASE T (RJ45)

Phones

IP phones:
 200 SIP phones by default
 Up to 800 additional SIP phones may be
 added with feature keys
 Plug-and-Play with select IP Phone
 manufacturers

Auto Attendants and Virtual Extensions

Auto Attendants:
 Up to 1,200 standard and custom AA can
 be registered
Virtual Extensions:
 Up to 1,200 Virtual Extensions can be
 registered**

**The total number of extensions used for IP
 phones, Analog phones, AA and virtual exten-
 sions can not exceed 1,200 extensions.

System Capacity

Up to 300 simultaneous VoIP calls with
 external parties
 Unlimited station to station calling for
 IP phones

Emergency Repair Boot-up Device
 DVD-ROM

Internet

Firewall security via:
 Policy and service-based filtering
 Stateful inspection firewall
 DHCP server
 SNTP (Simple Network Time Protocol)
 server/client for computer clock
 synchronization
 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.

System

Management

Multilingual WEB interface (HTTP/HTTPS)
 Password control
 Remote diagnostics and software upgrade
 VoIP Carrier Wizard
 Download/restore configuration
 Legible and editable configuration files
 Auto-configuration of IP phones via TFTP
 and HTTP
 Third Party Call Control (XML RPC and
 Windows ActiveX interface)
 Custom Language Pack

Billing and Statistic

Radius Client (RFCs: 2865, 2866), CDRs

Environmental

Physical Dimensions

Rack-mountable devices:
 Measurements: 16.8" x 14" x 1.7"
 (42.6 x 35.6 x 4.3 cm)
 Weight: 15 lbs (6.8 kg)

Conditions

50°F - 95°F (10°C - 35°C) operating
 temperature
 -31°F - 140°F (-35°C - +60°C) storage
 temperature
 5% - 90% non-condensing humidity

Power Supply

100 - 240V, 50-60Hz, 4 Amp Max

Regulatory Compliance

Power Supply Safety / EMC
 USA - UL listed, FCC
 Canada - CUL listed
 Germany - TUV Certified
 Europe/CE Mark
 EN 60950/IEC 60950-Compliant

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