



NOTE: Image may be subject to change.

QX3000

The QX3000 IP PBX supports businesses, with up to 3,000 users and 500 concurrent calls. Any number of required FXS, FXO, E1 and T1 analog or digital ports can be easily added by interconnecting with Epygi QXFXO4, QXE1T1 and QXFXS24 Gateways. The QX3000 includes a firewall and SIP Intrusion Detection & Protection System for optimal security. It can connect to the PSTN using Gateways or directly with SIP trunks through an ITSP with no additional equipment.

Capabilities

IP phones by default	300
Additional IP phones with keys	2,700
Total IP phones	3,000
Concurrent calls	500
Ethernet LAN port	1
Ethernet backup	1

Interconnection *with* QX Gateways

GATEWAYS	Recommended Number (max)
QXFXO4	32
QXE1T1	16 (E1 mode) 20 (T1 mode)
QXFXS24	100

FEATURES

Telephony (Default)

Auto Attendant with standard and customizable scenarios and call history
Call blocking, forwarding, hold, transfer, Call Relay and call waiting
Caller ID detection and hiding caller ID
Voicemail system
Voicemail notification via SMS/email
Caller ID-based voicemail profile
Call park, call pickup, multicast paging, intercom
Distinctive ringing
Speed dial
Many Extension Ringing, Call hunting
Receptionist
Call Park with Paging
Call Park on Auto Attendant
Call back from Auto Attendant
Emergency Call Alert
Hold music
Call history with archiving
Do Not Disturb
Global speed dial
Find Me / Follow Me
Unified Messaging
Three-way conferencing
G3 fax support: T.38 and clear channel fax
Universal Extension Recordings
Busy auto redial
Directory assistance, Dial by Name
Phone Book
Dial plans (call routing), time of day routing
Scheduling, Day/Night Switching
Alarm
Dial & Announce (D&A)
Class of Service
Call queue
Hot Desking
Media Streamer
Parent-Child extension configuration
Local Authentication for making call
PIN code Barring

Telephony (Key Required)

Calling Cost Control
Redundancy
Automatic Call Distribution (ACD)
Epygi ACD Console (EAC)
Epygi Automatic Outbound Calling (AOC)
AI Transcription

- Voice Mail (VM)/Call Recording (CR) Transcription (with Diarization)
- Voice-Enabled Auto Attendant (IVR)
- Epygi Virtual Intelligent Assistant (EVIA)

Text-to-Speech
CRM Integration
Call Recording (240 ports)
Barge-In
Conference Server
Audio (288 ports)/Video (104 ports)
Auto Dialer application support
uQall Softphone
uQall SMS/WhatsApp Messaging
uQall Receptionist Console
Third Party Call Control (3PCC) XML RPC

PC-Based Applications

QX-Quadro Configuration Console (QCC)
Auto Dialer

Voice/Video Protocols

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.722 and G.722.1
pass-through point-to-point HD call,
OPUS

Video Coding:

H.263, H.263+ and H.264 pass-through
point-to-point video call

VoIP Encryption:

SRTP

VoIP Signaling:

SIP v2, SIP/TLS

DTMF:

In band & out of band signaling support

VoIP Data and Signaling Protocols

ITU-T G.711, G.726, G.729 Annex A;
IETF RFC 3951- iLBC;

SIP, SIP/TLS (RFCs: 2246, 3261, 3263,
3265, 3311, 3323, 3428, 3515, 3578,
3581, 3842, 3856, 3863, 3891, 3892,
4028, 4235)

SDP (RFC: 2327, 4568)

RTP/SRTP (RFCs: 1889, 1890, 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:

2 Ethernet 10/100/1000 BASE T (RJ45)

IP Phones

300 IP phones by default

Up to 2,700 additional IP phones may
be added with feature keys

All IP phones can be connected both
from LAN side or as remote extensions
Auto provisioning support for all IP
phones from selected manufacturers
PnP configuration support for the most
of IP phones from selected
manufacturers

Auto configuration using OpenVPN
service for some of selected IP phones
IP phones Proxy Connection

Auto Attendants and virtual extensions

Auto Attendants:

Up to 3,400 Auto Attendants can be
added*

Virtual extensions:

Up to 3,400 virtual extensions can be
added*

System Capacity

Up to 500 simultaneous VoIP calls with
external parties
Unlimited station-to-station calling for
IP phones

Emergency Repair Boot-up Device

DVD-ROM

Network

STUN/Network Address Translation
(NAT) traversal (RFC 3489)

Firewall security via:

Policy and service-based filtering

Stateful inspection firewall

Intrusion Detection & Protection System
(IDS/IPS)

DHCP server on the LAN side

DNS server with forwarding functionality

Simple Network Time Protocol (SNTP)

server/client for computer clock
synchronization

IP DIFFSERV for QoS
SIP tunneling
Virtual LAN (VLAN/IEEE 802.1Q)
Mail client to send voice and fax
messages as email attachments (.wav
and .tif/.pdf respectively) and system
notifications
DNS (DYNDNS) support with third party

System

Management

Multilingual web interface accessible
from LAN (HTTP/HTTPS)
Password control
User rights management
Remote diagnostics and software
upgrade
VoIP Carrier Wizard
Monitoring via ecMON
Download/restore configuration
Legible and editable configuration files
Auto configuration of IP phones via TFTP
and HTTP
SNMP monitoring and configuration
Custom language pack
System event notification via SMS/email
Emergency recovery

Diagnostics/Testing

System logs
Remote testing
Network diagnostics
Security diagnostics
System logs, SIP IDS logs
Call capture

Billing and Statistics

Radius Client (RFCs: 2865, 2866),
Call Detail Records (CDR)

Environmental

Physical Dimensions**

Rack-mountable devices:

Measurements:

16" x 17" x 1.5" (40.6 x 43.2 x 3.8cm)

Weight:

15 lbs (6.8 kg)

Conditions

Operating temperature:

50°F - 95°F (10°C - 35°C)

Storage temperature:

-31°F - 140°F (-35°C - 60°C)

Non-condensing humidity:

5% - 90%

Power Supply

100 - 240V, 50-60Hz, 4A (max)

Regulatory Compliance

Power Supply Safety/EMC/FCC/CE

EN 60950/IEC 60950

Canada - CUL listed

Europe/CE Mark

EN 60950/IEC 60950-Compliant

* The total number of extensions used for IP
phones, Auto Attendants and virtual
extensions can not exceed 3,400.

** Sizes and weight subject to change.
Verify with factory before ordering.