



# QX IP PBXs

## COMPARISON MATRIX

<b>Features</b>	<b>QX20</b>	<b>QX50</b>	<b>QX60</b>	<b>QX100</b>	<b>QX200</b>	<b>QX500</b>	<b>QX3000</b>	<b>QX5000</b>
<b>Physical interfaces</b>								
<b>FXO ports</b>	N/A	2	N/A	N/A	4	N/A	N/A	N/A
<b>FXS ports</b>	N/A	2	N/A	N/A	2	N/A	N/A	N/A
<b>Ethernet RJ-45</b>	3	2	3	3	2	3	2	2
<b>SD card slot</b>	yes	yes	yes	yes	yes	yes	N/A	N/A
<b>Audio lines</b>	audio line-in audio line-out	audio line-in audio line-out	audio line-in audio line-out	audio line-in audio line-out	audio line-in audio line-out	audio line-in audio line-out	audio line-in audio line-out	N/A N/A

<b>Capacity</b>								
<b>IP phones (default)</b>	12	16	24	32	24	100	300	500
<b>Additional IP phones with license keys</b>	20	184	232	224	232	400	2,700	4,500
<b>Analog phones/devices</b>	N/A	2	N/A	N/A	2	N/A	N/A	N/A
<b>Total phones</b>	32	202	256	256	258	500	3,000	5,000
<b>Extensions (user accounts)</b>	100	250	300	350	400	800	3,400	5,400
<b>Concurrent calls</b>	6 (up to 10 with license keys)	16	20	40	64	80	500	700

<b>Call signaling and compression standards</b>								
<b>IP call signaling</b>	SIP	SIP	SIP	SIP	SIP	SIP	SIP	SIP
<b>Analog signaling</b>	N/A	loop start	loop start	loop start	loop start	N/A	N/A	N/A
<b>Voice coding</b>	G.711, G.726, G.729, iLBC, OPUS	G.711, G.726, G.729, iLBC, OPUS	G.711, G.726, G.729, iLBC, OPUS	G.711, G.726, G.729, iLBC, OPUS	G.711, G.726, G.729, iLBC, OPUS	G.711, G.726, G.729, iLBC, OPUS	G.711, G.726, G.729, iLBC, OPUS	G.711, G.726, G.729, iLBC, OPUS
<b>Fax</b>	T.38, pass-through fax	T.38, pass-through fax	T.38, pass-through fax	T.38, pass-through fax	T.38, pass-through fax	T.38, pass-through fax	T.38, pass-through fax	T.38, pass-through fax
<b>Pass-through voice coding</b>	G.722, G.722.1, TDVC	G.722, G.722.1, TDVC	G.722, G.722.1, TDVC	G.722, G.722.1, TDVC	G.722, G.722.1, TDVC	G.722, G.722.1, TDVC	G.722, G.722.1, TDVC	G.722, G.722.1, TDVC
<b>Pass-through video coding</b>	H.263, H.263+, H.264	H.263, H.263+, H.264	H.263, H.263+, H.264	H.263, H.263+, H.264	H.263, H.263+, H.264	H.263, H.263+, H.264	H.263, H.263+, H.264	H.263, H.263+, H.264

Features	QX20	QX50	QX60	QX100	QX200	QX500	QX3000	QX5000
<b>PBX features</b>								
Unconditional call forwarding	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Busy call forwarding	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
No answer call forwarding	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Unregistered/inaccessible call forwarding	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Find Me/Follow Me	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Hiding caller information	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Dial plans (call routing)	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Time of day routing Day/Night Switching	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Scheduling	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Incoming call blocking	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Outgoing call blocking	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Distinctive ringing	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Call Hunting	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Many Extension Ringing	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Intercom	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Emergency Interrupt	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Voicemail profile	yes*	yes*	yes*	yes*	yes*	yes*	yes*	yes*
Auto redial	yes	yes	yes	yes	yes	yes	yes	yes
Alarm	yes	yes	yes	yes	yes	yes	yes	yes
Dial & Announce (D&A)	yes	yes	yes	yes	yes	yes	yes	yes

\* Can be configured based on caller ID per each extension.

Features	QX20	QX50	QX60	QX100	QX200	QX500	QX3000	QX5000
<b>PBX features</b> <small>continued</small>								
Directory assistance, Dial by Name	yes	yes	yes	yes	yes	yes	yes	yes
Emergency Call Alert	yes	yes	yes	yes	yes	yes	yes	yes
Hold music	yes	yes	yes	yes	yes	yes	yes	yes
Phone Book	yes	yes	yes	yes	yes	yes	yes	yes
Parent-Child extension configuration	yes	yes	yes	yes	yes	yes	yes	yes
Universal Extension Recordings	yes	yes	yes	yes	yes	yes	yes	yes
Hold music upload	yes	yes	yes	yes	yes	yes	yes	yes
Streaming hold music	yes	yes	yes	yes	yes	yes	yes	yes
Play hold music from audio line-in	yes	yes	yes	yes	yes	yes	N/A	N/A
Hotline Service	N/A	yes	N/A	N/A	yes	N/A	N/A	N/A
Speed calling	yes	yes	yes	yes	yes	yes	yes	yes
Global speed dialing	yes	yes	yes	yes	yes	yes	yes	yes
Kick Back	yes	yes	yes	yes	yes	yes	yes	yes
Call Relay	yes	yes	yes	yes	yes	yes	yes	yes
Do Not Disturb	yes	yes	yes	yes	yes	yes	yes	yes
Call Pickup	yes	yes	yes	yes	yes	yes	yes	yes
Hot-Desking	yes	yes	yes	yes	yes	yes	yes	yes
Call waiting	yes	yes	yes	yes	yes	yes	yes	yes
Call Blind transfer	yes	yes	yes	yes	yes	yes	yes	yes
Call transfer with consultation	yes	yes	yes	yes	yes	yes	yes	yes
Call Park	yes	yes	yes	yes	yes	yes	yes	yes
Call Park with Paging	yes	yes	yes	yes	yes	yes	yes	yes

Features	QX20	QX50	QX60	QX100	QX200	QX500	QX3000	QX5000
<b>PBX features</b> <small>continued</small>								
Call Park on Auto Attendant	yes	yes	yes	yes	yes	yes	yes	yes
Call hold	yes	yes	yes	yes	yes	yes	yes	yes
Three-Way Calling	yes	yes	yes	yes	yes	yes	yes	yes
Paging group	yes	yes	yes	yes	yes	yes	yes	yes
Multicast paging	yes	yes	yes	yes	yes	yes	yes	yes
Voicemail	yes	yes	yes	yes	yes	yes	yes	yes
Voicemail notification through email	yes	yes	yes	yes	yes	yes	yes	yes
Voicemail notification through SMS	yes	yes	yes	yes	yes	yes	yes	yes
Voicemail fast forward/rewind during playback	yes	yes	yes	yes	yes	yes	yes	yes
Unified Messaging (fax and voicemail)	yes	yes	yes	yes	yes	yes	yes	yes
Click to Dial (with URL or from GUI)	yes	yes	yes	yes	yes	yes	yes	yes
T.38 fax relay	yes	yes	yes	yes	yes	yes	yes	yes
Pass-through fax	yes	yes	yes	yes	yes	yes	yes	yes
Auto Attendant	yes	yes	yes	yes	yes	yes	yes	yes
Zero-Out for Auto Attendant	yes	yes	yes	yes	yes	yes	yes	yes
Auto Attendant call back for SIP calls	yes	yes	yes	yes	yes	yes	yes	yes
Auto Attendant call back for PSTN calls	N/A	yes	N/A	N/A	yes	N/A	N/A	N/A
Call redirection on Auto Attendant	yes	yes	yes	yes	yes	yes	yes	yes
Attendant ringing announcement	yes	yes	yes	yes	yes	yes	yes	yes
Authorized phones database	yes	yes	yes	yes	yes	yes	yes	yes
Auto Attendant with Customizable Scenarios	yes	yes	yes	yes	yes	yes	yes	yes
Receptionist	yes	yes	yes	yes	yes	yes	yes	yes

Features	QX20	QX50	QX60	QX100	QX200	QX500	QX3000	QX5000
<b>PBX features</b> continued								
Did numbers support	yes	yes	yes	yes	yes	yes	yes	yes
Call queue	yes	yes	yes	yes	yes	yes	yes	yes
Directory assistance	yes	yes	yes	yes	yes	yes	yes	yes
Configurable call routing	yes	yes	yes	yes	yes	yes	yes	yes
Failover on call routing	yes	yes	yes	yes	yes	yes	yes	yes
Scheduling, Day/Night Switching	yes	yes	yes	yes	yes	yes	yes	yes
Routing with class of service	yes	yes	yes	yes	yes	yes	yes	yes
Routing with authentication	yes	yes	yes	yes	yes	yes	yes	yes
Date/time based routing	yes	yes	yes	yes	yes	yes	yes	yes
Routing with call duration limit	yes	yes	yes	yes	yes	yes	yes	yes
PIN Code Barring	yes	yes	yes	yes	yes	yes	yes	yes
Local Authentication for making call	yes	yes	yes	yes	yes	yes	yes	yes
Overall call duration limit per routing entry	yes	yes	yes	yes	yes	yes	yes	yes
Call history	yes	yes	yes	yes	yes	yes	yes	yes
Auto Attendant call history	yes	yes	yes	yes	yes	yes	yes	yes
Automatic downloading of call history	yes	yes	yes	yes	yes	yes	yes	yes
Call history archive	yes	yes	yes	yes	yes	yes	yes	yes
SIP tunneling	yes	yes	yes	yes	yes	yes	yes	yes
Call Intercept	yes	yes	yes	yes	yes	yes	yes	yes

Features	QX20	QX50	QX60	QX100	QX200	QX500	QX3000	QX5000
<b>Network</b>								
Stateful inspection firewall	yes	yes	yes	yes	yes	yes	yes	yes
Policy and service filtering	yes	yes	yes	yes	yes	yes	yes	yes
Integrated NAT	yes	yes	yes	yes	yes	yes	no	no
DIFFSERV/TOS	yes	yes	yes	yes	yes	yes	yes	yes
DHCP server	yes	yes	yes	yes	yes	yes	yes	yes
WAN DHCP client	yes	yes	yes	yes	yes	yes	no	no
STUN/NAT traversal	yes	yes	yes	yes	yes	yes	yes	yes
VPN	yes	yes	yes	yes	yes	yes	yes	yes
VLAN	yes	yes	yes	yes	yes	yes	yes	yes
TLS	yes	yes	yes	yes	yes	yes	yes	yes
SRTP	yes	yes	yes	yes	yes	yes	yes	yes
SNTP	yes	yes	yes	yes	yes	yes	yes	yes
SMTP	yes	yes	yes	yes	yes	yes	yes	yes
SNMP	yes	yes	yes	yes	yes	yes	yes	yes
IDS	yes	yes	yes	yes	yes	yes	no	no
OpenVPN	yes	yes	yes	yes	yes	yes	yes	yes
SIP IDS	yes	yes	yes	yes	yes	yes	yes	yes
PPPoE	yes	yes	yes	yes	yes	yes	no	no
DNS server	yes	yes	yes	yes	yes	yes	no	no
DYNDNS support	yes	yes	yes	yes	yes	yes	no	no

Features	QX20	QX50	QX60	QX100	QX200	QX500	QX3000	QX5000
<b>Management</b>								
HTTP/HTTPS access to GUI (with admin, local admin and extension privileges)	yes	yes	yes	yes	yes	yes	yes	yes
Local admin	yes	yes	yes	yes	yes	yes	yes	yes
Password control	yes	yes	yes	yes	yes	yes	yes	yes
Multi-language support	yes	yes	yes	yes	yes	yes	yes	yes
IP phones Plug-and-Play	yes	yes	yes	yes	yes	yes	yes	yes
IP phone auto-configuration	yes	yes	yes	yes	yes	yes	yes	yes
Configuring IP phone's programmable keys with a PBX	yes	yes	yes	yes	yes	yes	yes	yes
Radius Client	yes	yes	yes	yes	yes	yes	yes	yes
Network capture	yes	yes	yes	yes	yes	yes	yes	yes
Call capture	yes	yes	yes	yes	yes	yes	yes	yes
Remote testing	yes	yes	yes	yes	yes	yes	yes	yes
System configuration automatic backup	yes	yes	yes	yes	yes	yes	yes	yes
Legible configuration	yes	yes	yes	yes	yes	yes	yes	yes
Configuration download/restore	yes	yes	yes	yes	yes	yes	yes	yes
IDS logs	yes	yes	yes	yes	yes	yes	yes	yes
System logs	yes	yes	yes	yes	yes	yes	yes	yes
System event notification via SMS/email	yes	yes	yes	yes	yes	yes	yes	yes
System security diagnostics and audit	yes	yes	yes	yes	yes	yes	yes	yes
System status	yes	yes	yes	yes	yes	yes	yes	yes
Automatic firmware update	yes	yes	yes	yes	yes	yes	yes	yes
IP phones Proxy Connection	yes	yes	yes	yes	yes	yes	yes	yes

Features	QX20	QX50	QX60	QX100	QX200	QX500	QX3000	QX5000
<b>Licensable Features (available with key)</b>								
Audio Conferencing	yes	yes	yes	yes	yes	yes	yes	yes
Video Conferencing	yes	yes	yes	yes	yes	yes	yes	yes
Automatic Call Distribution (ACD)	no	yes	yes	yes	yes	yes	yes	yes
Automatic Outbound Calling (AOC)	no	yes	yes	yes	yes	yes	yes	yes
Epygi ACD Console (EAC)	no	yes	yes	yes	yes	yes	yes	yes
Call Recording	yes	yes	yes	yes	yes	yes	yes	yes
Calling Cost Control	yes	yes	yes	yes	yes	yes	yes	yes
Redundancy	no	yes	yes	yes	yes	yes	yes	yes
Barge-In	no	yes	yes	yes	yes	yes	yes	yes
Third Party Call Control (3PCC)	yes	yes	yes	yes	yes	yes	yes	yes
Auto Dialer application support	no	yes	yes	yes	yes	yes	yes	yes
Epygi Media Streamer (EMS)	yes	yes	yes	yes	yes	yes	yes	yes
CRM Integration	yes	yes	yes	yes	yes	yes	yes	yes
Epygi Hotel Console (EHC)	no	yes	yes	yes	yes	yes	yes	yes
QX-Quadro Configuration Console (QCC)	yes	yes	yes	yes	yes	yes	yes	yes
PMSLINK Connection	no	yes	yes	yes	yes	yes	yes	yes
AI Transcription • Voice Mail (VM)/Call Recording (CR) Transcription (with Diarization) • Voice-Enabled Auto Attendant (IVR) • Epygi Virtual Intelligent Assistant (EVIA)	yes	yes	yes	yes	yes	yes	yes	yes
Text-to-Speech	yes	yes	yes	yes	yes	yes	yes	yes
uQall Softphone	yes	yes	yes	yes	yes	yes	yes	yes
uQall SMS/WhatsApp Messaging	yes	yes	yes	yes	yes	yes	yes	yes
uQall Receptionist Console	yes	yes	yes	yes	yes	yes	yes	yes

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