



# QX IP PBXs

<b>Features</b>	<b>QX20</b>	<b>QX50</b>	<b>QX200</b>	<b>QX500</b>	<b>QX3000</b>	<b>QX5000</b>
<b>Physical interfaces</b>						
<b>FXO ports</b>	N/A	2	4	N/A	N/A	N/A
<b>FXS ports</b>	N/A	2	2	N/A	N/A	N/A
<b>Ethernet RJ-45</b>	2	2	2	2	2	2
<b>SD card slot</b>	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	N/A	N/A

<b>Capacity</b>						
<b>IP phones (default)</b>	12	16	24	100	200	500
<b>Additional IP phones with license keys</b>	20	32	176	400	2,800	4,500
<b>Total IP phones</b>	32	48	200	500	3,000	5,000
<b>Analog phones/devices</b>	N/A	2	2	N/A	N/A	N/A
<b>Extensions (user accounts)</b>	100	200	400	800	3,400	5,400
<b>Concurrent calls</b>	6 (up to 10 with license keys)	16	64	80	500	700

<b>Call signaling and compression standards</b>						
<b>IP call signaling</b>	SIP	SIP	SIP	SIP	SIP	SIP
<b>Analog signaling</b>	N/A	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
<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
<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
<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

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<b>PBX features</b>						
Unconditional call forwarding	yes*	yes*	yes*	yes*	yes*	yes*
Busy call forwarding	yes*	yes*	yes*	yes*	yes*	yes*
No answer call forwarding	yes*	yes*	yes*	yes*	yes*	yes*
Unregistered/inaccessible call forwarding	yes*	yes*	yes*	yes*	yes*	yes*
Find Me/Follow Me	yes*	yes*	yes*	yes*	yes*	yes*
Hiding caller information	yes*	yes*	yes*	yes*	yes*	yes*
Incoming call blocking	yes*	yes*	yes*	yes*	yes*	yes*
Outgoing call blocking	yes*	yes*	yes*	yes*	yes*	yes*
Distinctive ringing	yes*	yes*	yes*	yes*	yes*	yes*
Call Hunting	yes*	yes*	yes*	yes*	yes*	yes*
Many Extension Ringing	yes*	yes*	yes*	yes*	yes*	yes*
Intercom	yes*	yes*	yes*	yes*	yes*	yes*
Emergency Interrupt	yes*	yes*	yes*	yes*	yes*	yes*
Voicemail profile	yes*	yes*	yes*	yes*	yes*	yes*
Auto redial	yes	yes	yes	yes	yes	yes
Alarm	yes	yes	yes	yes	yes	yes
Dial & Announce (D&A)	yes	yes	yes	yes	yes	yes
Hold music	yes	yes	yes	yes	yes	yes
Hold music upload	yes	yes	yes	yes	yes	yes
Streaming hold music	yes	yes	yes	yes	yes	yes
Play hold music from audio line-in	yes	yes	yes	yes	N/A	N/A
Hotline Service	N/A	yes	yes	N/A	N/A	N/A
Speed calling	yes	yes	yes	yes	yes	yes

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

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<b>PBX features</b> <i>continued</i>						
<b>Global speed dialing</b>	yes	yes	yes	yes	yes	yes
<b>Kick Back</b>	yes	yes	yes	yes	yes	yes
<b>Call Relay</b>	yes	yes	yes	yes	yes	yes
<b>Do Not Disturb</b>	yes	yes	yes	yes	yes	yes
<b>Call Pickup</b>	yes	yes	yes	yes	yes	yes
<b>Hot-Desking</b>	yes	yes	yes	yes	yes	yes
<b>Call waiting</b>	yes	yes	yes	yes	yes	yes
<b>Call Blind transfer</b>	yes	yes	yes	yes	yes	yes
<b>Call transfer with consultation</b>	yes	yes	yes	yes	yes	yes
<b>Call Park</b>	yes	yes	yes	yes	yes	yes
<b>Call hold</b>	yes	yes	yes	yes	yes	yes
<b>Three-Way Calling</b>	yes	yes	yes	yes	yes	yes
<b>Paging group</b>	yes	yes	yes	yes	yes	yes
<b>Voicemail</b>	yes	yes	yes	yes	yes	yes
<b>Voicemail notification through email</b>	yes	yes	yes	yes	yes	yes
<b>Voicemail notification through SMS</b>	yes	yes	yes	yes	yes	yes
<b>Voicemail fast forward/rewind during playback</b>	yes	yes	yes	yes	yes	yes
<b>Unified Messaging (fax and voicemail)</b>	yes	yes	yes	yes	yes	yes
<b>Click to Dial (with URL or from GUI)</b>	yes	yes	yes	yes	yes	yes

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<b>PBX features</b> <i>continued</i>						
T.38 fax relay	yes	yes	yes	yes	yes	yes
Pass-through fax	yes	yes	yes	yes	yes	yes
Auto Attendant	yes	yes	yes	yes	yes	yes
Zero-Out for Auto Attendant	yes	yes	yes	yes	yes	yes
Auto Attendant call back for SIP calls	yes	yes	yes	yes	yes	yes
Auto Attendant call back for PSTN calls	N/A	yes	yes	N/A	N/A	N/A
Call redirection on Auto Attendant	yes	yes	yes	yes	yes	yes
Attendant ringing announcement	yes	yes	yes	yes	yes	yes
Authorized phones database	yes	yes	yes	yes	yes	yes
Auto Attendant with Customizable Scenarios	yes	yes	yes	yes	yes	yes
Receptionist	yes	yes	yes	yes	yes	yes
DID numbers support	yes	yes	yes	yes	yes	yes
Call queue	yes	yes	yes	yes	yes	yes
Directory assistance	yes	yes	yes	yes	yes	yes
Configurable call routing	yes	yes	yes	yes	yes	yes
Failover on call routing	yes	yes	yes	yes	yes	yes
Scheduling, Day/Night Switching	yes	yes	yes	yes	yes	yes
Routing with class of service	yes	yes	yes	yes	yes	yes
Routing with authentication	yes	yes	yes	yes	yes	yes
Date/time based routing	yes	yes	yes	yes	yes	yes
Routing with call duration limit	yes	yes	yes	yes	yes	yes
Overall call duration limit per routing entry	yes	yes	yes	yes	yes	yes

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<b>PBX features</b> <i>continued</i>						
Call history	yes	yes	yes	yes	yes	yes
Automatic downloading of call history	yes	yes	yes	yes	yes	yes
Call history archive	yes	yes	yes	yes	yes	yes
SIP tunneling	yes	yes	yes	yes	yes	yes
Call Intercept	yes	yes	yes	yes	yes	yes
<b>Network</b>						
Stateful inspection firewall	yes	yes	yes	yes	yes	yes
Policy and service filtering	yes	yes	yes	yes	yes	yes
Integrated NAT	yes	yes	yes	yes	no	no
DIFFSERV/TOS	yes	yes	yes	yes	yes	yes
DHCP server	yes	yes	yes	yes	yes	yes
WAN DHCP client	yes	yes	yes	yes	no	no
STUN/NAT traversal	yes	yes	yes	yes	yes	yes
VPN	yes	yes	yes	yes	yes	yes
VLAN	yes	yes	yes	yes	yes	yes
TLS	yes	yes	yes	yes	yes	yes
SRTP	yes	yes	yes	yes	yes	yes
SNTP	yes	yes	yes	yes	yes	yes
SMTP	yes	yes	yes	yes	yes	yes
SNMP	yes	yes	yes	yes	yes	yes
IDS	yes	yes	yes	yes	no	no
OpenVPN	yes	yes	yes	yes	yes	yes

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<b>Network</b> continued						
<b>SIP IDS</b>	yes	yes	yes	yes	yes	yes
<b>PPPoE</b>	yes	yes	yes	yes	no	no
<b>DNS server</b>	yes	yes	yes	yes	no	no
<b>DYNDNS support</b>	yes	yes	yes	yes	no	no

<b>Management</b>						
<b>HTTP/HTTPS access to GUI (with admin, local admin and extension privileges)</b>	yes	yes	yes	yes	yes	yes
<b>Local admin</b>	yes	yes	yes	yes	yes	yes
<b>Password control</b>	yes	yes	yes	yes	yes	yes
<b>Multi-language support</b>	yes	yes	yes	yes	yes	yes
<b>IP phones Plug-and-Play</b>	yes	yes	yes	yes	yes	yes
<b>IP phone auto-configuration</b>	yes	yes	yes	yes	yes	yes
<b>Configuring IP phone's programmable keys with a PBX</b>	yes	yes	yes	yes	yes	yes
<b>Radius Client</b>	yes	yes	yes	yes	yes	yes
<b>Network capture</b>	yes	yes	yes	yes	yes	yes
<b>Call capture</b>	yes	yes	yes	yes	yes	yes
<b>Remote testing</b>	yes	yes	yes	yes	yes	yes
<b>System configuration automatic backup</b>	yes	yes	yes	yes	yes	yes
<b>Legible configuration</b>	yes	yes	yes	yes	yes	yes
<b>Configuration download/restore</b>	yes	yes	yes	yes	yes	yes
<b>IDS logs</b>	yes	yes	yes	yes	yes	yes

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<b>Management</b> continued						
System logs	yes	yes	yes	yes	yes	yes
System event notification via SMS/email	yes	yes	yes	yes	yes	yes
System security diagnostics and audit	yes	yes	yes	yes	yes	yes
System status	yes	yes	yes	yes	yes	yes
Automatic firmware update	yes	yes	yes	yes	yes	yes

<b>Licensable Features (available with key)</b>						
Audio Conferencing	yes	yes	yes	yes	yes	yes
Video Conferencing	yes	yes	yes	yes	yes	yes
Automatic Call Distribution (ACD)	no	yes	yes	yes	yes	yes
Automatic Outbound Calling (AOC)	no	yes	yes	yes	yes	yes
Epygi ACD Console (EAC)	no	yes	yes	yes	yes	yes
Call Recording	yes	yes	yes	yes	yes	yes
Calling Cost Control	yes	yes	yes	yes	yes	yes
Redundancy	no	yes	yes	yes	yes	yes
Barge-In	no	yes	yes	yes	yes	yes
3PCC	yes	yes	yes	yes	yes	yes
Auto Dialer application support	no	yes	yes	yes	yes	yes
Epygi Hotel Console (EHC)	no	yes	yes	yes	yes	yes
iQall Advanced Features	yes	yes	yes	yes	yes	yes
Desktop Communication Console (DCC)	yes	yes	yes	yes	yes	yes
PMSLINK Connection	no	yes	yes	yes	yes	yes



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