



# QX IP PBXs



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<b>Features</b>	<b>QX50</b>	<b>QX200</b>	<b>QX2000</b>
<b>Physical interfaces</b>			
FXO ports	2	4	0
FXS ports	2	2	0
Ethernet RJ-45	2	2	2
SD card slot	1	1	0
Audio lines	audio line-in audio line-out	audio line-in audio line-out	0

<b>Capacity</b>			
IP phones	16 (up to 48 with additional IP phones license keys)	24 (up to 200 with additional IP phones license keys)	200 (up to 2,000 with additional IP phones license keys)
Analog phones/devices	2	2	0
Total phones (max)	50	202	2,000
Extensions (user accounts)	200	400	2,400
Concurrent calls	16	64	300

<b>Call signaling and compression standards</b>			
IP call signaling	SIP	SIP	SIP
Analog signaling	loop start	loop start	not applicable
Voice coding	G.711, G.726, G.729, iLBC	G.711, G.726, G.729, iLBC	G.711, G.726, G.729, iLBC
Fax	T.38, pass-through fax	T.38, pass-through fax	T.38, pass-through fax
Pass-through HD voice coding	G.722, G.722.1, TDVC	G.722, G.722.1, TDVC	G.722, G.722.1, TDVC
Pass-through video coding	H.264, H.263/H.263+	H.264, H.263/H.263+	H.264, H.263/H.263+

<b>PBX features</b>			
Lifeline POTS	yes	yes	not applicable
Unconditional call forwarding	yes*	yes*	yes*

<b>Features</b>	<b>QX50</b>	<b>QX200</b>	<b>QX2000</b>
<b>PBX features</b> <i>continued</i>			
<b>Busy call forwarding</b>	yes*	yes*	yes*
<b>No answer call forwarding</b>	yes*	yes*	yes*
<b>Unregistered/inaccessible call forwarding</b>	yes*	yes*	yes*
<b>Find Me/Follow Me</b>	yes*	yes*	yes*
<b>Hiding caller information</b>	yes*	yes*	yes*
<b>Incoming call blocking</b>	yes*	yes*	yes*
<b>Outgoing call blocking</b>	yes*	yes*	yes*
<b>Distinctive ringing</b>	yes*	yes*	yes*
<b>Call Hunting</b>	yes*	yes*	yes*
<b>Many Extension Ringing</b>	yes*	yes*	yes*
<b>Intercom</b>	yes*	yes*	yes*
<b>Emergency Interrupt</b>	yes*	yes*	yes*
<b>Auto redial</b>	yes	yes	yes
<b>Hold music</b>	yes	yes	yes
<b>Hold music upload</b>	yes	yes	yes
<b>Streaming hold music</b>	yes	yes	yes
<b>Play hold music from audio line-in</b>	yes	yes	yes
<b>Speed calling</b>	yes	yes	yes
<b>Global speed dialing</b>	yes	yes	yes

<b>Features</b>	<b>QX50</b>	<b>QX200</b>	<b>QX2000</b>
<b>PBX features</b> <i>continued</i>			
<b>Kick Back</b>	yes	yes	yes
<b>Call Relay</b>	yes	yes	yes
<b>Do Not Disturb</b>	yes	yes	yes
<b>Call Pickup</b>	yes	yes	yes
<b>Hot-Desking</b>	yes	yes	yes
<b>Call waiting</b>	yes	yes	yes
<b>Call Blind transfer</b>	yes	yes	yes
<b>Call transfer with consultation</b>	yes	yes	yes
<b>Call Park</b>	yes	yes	yes
<b>Call hold</b>	yes	yes	yes
<b>Three-Way Calling</b>	yes	yes	yes
<b>Paging group</b>	yes	yes	yes
<b>Voicemail</b>	yes	yes	yes
<b>Voicemail notification through email</b>	yes	yes	yes
<b>Voicemail notification through SMS</b>	yes	yes	yes
<b>Voicemail fast forward/rewind during playback</b>	yes	yes	yes
<b>Voicemail profile</b>	yes*	yes*	yes*
<b>Unified Messaging (fax and voicemail)</b>	yes	yes	yes
<b>Click to Dial (with URL or from GUI)</b>	yes	yes	yes

<b>Features</b>	<b>QX50</b>	<b>QX200</b>	<b>QX2000</b>
<b>PBX features</b> <i>continued</i>			
T.38 fax relay	yes	yes	yes
Pass-through fax	yes	yes	yes
Auto Attendant	yes	yes	yes
Zero-Out for Auto Attendant	yes	yes	yes
Auto Attendant call back for SIP callers	yes	yes	yes
Auto Attendant call back for PSTN callers	yes	yes	yes
Call redirection on Auto Attendant	yes	yes	yes
Attendant ringing announcement	yes	yes	yes
Authorized phone database	yes	yes	yes
Multi-level IVR	yes	yes	yes
Receptionist	yes	yes	yes
DID numbers	yes	yes	yes
Call queue	yes	yes	yes
Directory assistance	yes	yes	yes
Configurable call routing	yes	yes	yes
Failover on call routing	yes	yes	yes
Routing with class of service	yes	yes	yes
Date/time based routing	yes	yes	yes
Routing with call duration limit	yes	yes	yes
Overall call duration limit per routing entry	yes	yes	yes

<b>Features</b>	<b>QX50</b>	<b>QX200</b>	<b>QX2000</b>
<b>PBX features</b> <i>continued</i>			
Call history CDR	yes	yes	yes
Automatic downloading of call history	yes	yes	yes
Call history CDR archive	yes	yes	yes
SIP tunneling	yes	yes	yes
Intercept	yes	yes	yes

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

<b>Network</b>			
Stateful inspection firewall	yes	yes	yes
Policy and service filtering	yes	yes	yes
Integrated NAT	yes	yes	no
DIFFSERV/TOS	yes	yes	yes
DHCP server	yes	yes	yes
WAN DHCP client	yes	yes	no
STUN/NAT traversal	yes	yes	yes
VPN	yes	yes	no
VLAN	yes	yes	yes
TLS	yes	yes	yes
SRTP	yes	yes	yes
SNTP	yes	yes	yes
SMTP	yes	yes	yes
SNMP	yes	yes	yes
IDS	yes	yes	no

Features	QX50	QX200	QX2000
<b>Network</b> continued			
SIP IDS	yes	yes	yes
PPPoE	yes	yes	no
DNS server	yes	yes	no
DYNDNS support	yes	yes	no

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

<b>Features</b>	<b>QX50</b>	<b>QX200</b>	<b>QX2000</b>
<b>Management</b> <i>continued</i>			
<b>System logs</b>	yes	yes	yes
<b>System event notification via SMS/email</b>	yes	yes	yes
<b>System security diagnostics and audit</b>	yes	yes	yes
<b>System status</b>	yes	yes	yes
<b>Automatic firmware update</b>	yes	yes	yes

<b>Licensable Features (available with key)</b>			
<b>Audio Conferencing</b>	yes	yes	yes
<b>Video Conferencing</b>	yes	yes	yes
<b>Automatic Call Distribution (ACD)</b>	yes	yes	yes
<b>Call Recording</b>	yes	yes	yes
<b>Redundancy</b>	yes	yes	yes
<b>Barge-In</b>	yes	yes	yes
<b>3PCC</b>	yes	yes	yes
<b>Auto Dialer application support</b>	yes	yes	yes
<b>Mobile Toggling support for iQall</b>	yes	yes	yes
<b>DCC application support</b>	yes	yes	yes

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