



QX IP PBXs



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Features	QX50	QX200	QX2000
Physical interfaces			
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

Capacity			
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 2000 with additional IP phones license keys)
Analog phones/devices	2	2	0
Total phones (max)	50	202	2000
Extensions (user accounts)	200	400	2400
Concurrent calls	16	64	300

Call signaling and compression standards			
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+

PBX features			
Lifeline POTS	yes	yes	not applicable
Unconditional call forwarding	yes*	yes*	yes*

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

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

Features	QX50	QX200	QX2000
PBX features <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

Features	QX50	QX200	QX2000
PBX features <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

Network			
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
Network continued			
SIP IDS	yes	yes	yes
PPPoE	yes	yes	no
DNS server	yes	yes	no
DYNDNS Support	yes	yes	no

Management			
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

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

Licensable Features (available with key)			
Audio Conferencing	yes	yes	yes
Video Conferencing	yes	yes	yes
ACD	yes	yes	yes
Call recording	yes	yes	yes
Redundancy	yes	yes	yes
Barge-In	yes	yes	yes
3PCC	yes	yes	yes
Auto Dialer application support	yes	yes	yes
Mobile Toggling support for iQall	yes	yes	yes
DCC application support	yes	yes	yes

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