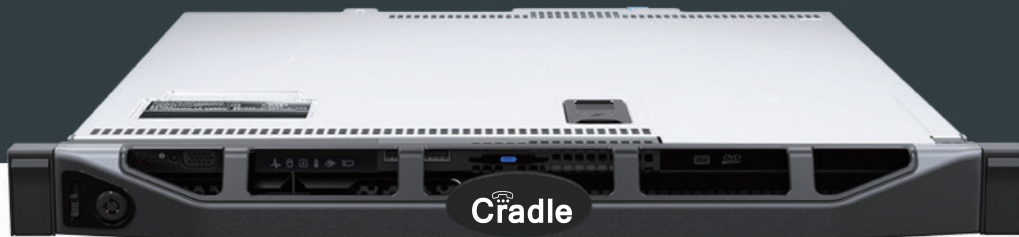# Cradle QX IPPBX

Large Capacity IP PBX for Enterprises

Cradle QX IPPBX are large capacity pure IP-PBX designed for medium and large enterprises and support respectively up to 2000 users and 1000 users. Engineered for the communications needs of today and tomorrow, Cradle QX IPPBX deliver rich enterprise-level features with exceptional reliability, and meet mobile workers' needs with Mobile Client. The pure IP telephone system can easily add Gateways for FXS, FXO, GSM, WCDMA, ISDN BRI, and E1/T1/PRI ports.

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All-inclusive Features

The fully-fledged enterprise telephone system offers a complete range of business-enhancing features to handle everything you ask for a communication system and streamlines your operations. Advanced features like call recording and conferencing don't require any extra license fees.

Auto Provision

Get your IP phones set up easily with Auto Provision feature. Auto Provision automatically detects phones from Yealink, Cisco, Polycom, Avaya, Snom, VTech, Alcatel, Panasonic, Htek, and Fanvil.

Mobility

Employees on the go will benefit from a number of mobility features. Call forwarding, mobility extension, Mobile Client app on your cell phone, and more ensure that you are connected to the telephone system and your customer anywhere anytime.

Redundancy

Cradle QX IPPBX, can create a highly available system for enterprises to prevent the unnecessary business loss caused by unexpected server failure. The failover happens immediately, so callers can still reach the people they need and business can continue as usual

Reliability

Backed by high-end CPU processor, Cradle QX IPPBX, bring stable performance, robust quality, and future communication demand together with one reliable enterprise telephone system.

Easy Management

An intuitive Web-based GUI gives administrator full control of the system and also provides each user with Web-based user portal to allow easy access to their call history, call recordings, voicemails, and configure their personalize settings.

Features

- Automated Attendant (IVR)
- Attended Transfer
- AutoCLIP
- Blind Transfer
- Blacklist/Whitelist
- Call Back
- Call Detail Records (CDR)
- Call Forwarding
- Call Monitor
- Call Parking
- Call Pickup
- Call Recording
- Call Routing
- Call Waiting
- Caller ID
- Conference
- Custom Prompt
- Dial by Name
- DISA
- Distinctive Ringtone
- DNIS
- Do Not Disturb (DND)
- Event Center
- Fax to Email
- Paging/Intercom
- Mobile Client
- Mobility Extension
- Multi-language System Prompt
- Multi-language Web GUI
- Music on Hold
- One Touch Recording
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- Queue
- PIN List
- Phone Provisioning
- Status & Resource Monitor
- Ring Group
- SIP Forking
- SLA
- Speed Dial
- Time Condition
- User Portal
- User Permission
- Video Calls
- Voicemail
- Voicemail to Email
- Voicemail Forwarding

Hardware

- PowerEdge R230 server, V2
- Intel E3-1240 v5 3.5Ghz, 8M Cache, 4C/8T for QX
- Intel E3-1220 v5 3.0Ghz, 8M Cache, 4C/4T for QX Lite
- Up to 2 × 3.5'' hard drives
- Integrated Dell Remote Access Controller (iDRAC8) Enterprise
- PCIe Riser wish fan
- 2133MT/s UDIMMs
- Enhanced performance
- 8GB UDIMM, 2133MT/s, ECC
- 1TB 7.2K RPM SATA 6Gbps 3.5'' cabled hard drive
- PERC H330 integrated RAID controller
- PERC H330 controller cable for PowerEdge R230
- Standard heatsink for PowerEdge R230
- DVD+/-RW SATA Built-in
- Single, cabled power supply, 250W
- Jumper cord, 10A, 4M, C13/C14 (China, Hong Kong, Korea)
- SATA CD-ROM cable for PowerEdge R230
- On-board LOM 1GBE dual port (BCM5720 GbE LOM)
- No operating system
- 39 months "Keep Your Hard Drive" service
- 1U/2U Static Rails for 2-post and 4-post racks
- No Raid, H330/H730 for SAS/SATA, cabled chassis

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Specifications

Items \ Model	QX	QX Lite
Users	2000	1000
Max Concurrent Calls	500	200
VoIP Trunks	400	
Protocol	SIP (RFC3261), IAX2	
Transport Protocol	UDP, TCP, TLS, SRTP	
Voice Codec	G711 (alaw/ulaw), G722, G726, G729A, GSM, Speex, ADPCM, iLBC	
Video Codec	H263, H263P, H264, MPEG4	
DTMF	In-band, RFC4733, RFC2833, SIP INFO	
LAN	1 × 10/100/1000 Mbps	
WAN	1 × 10/100/1000 Mbps	
IP Services	Static IP, DHCP, VPN, Firewall, DDNS, PPPoE, QoS, Static NAT, STUN	
Voicemail	40000 min (expandable)	
Firewall	Yes	
T.38 Fax	Yes	
Redundant Power Supply	Optional	
Hot Standby	Yes	
App Center	Mobile Client, Auto Provision	
Hard Disk	3.5'' HDD, 1T or more	
Power	AC100-240V, 50/60Hz, 4.0A-2.0A	
Size (W x H x D)	43.4 cm × 4.28 cm × 62.5 cm	
Weight	9 kg	
Power Consumption	250W	
Operation Range	0°C to 40°C, 32°F to 104°F	
Storage Range	-20°C to 65°C, -4°F to 149°F	
Humidity	10-90% non-condensing	
Form Factor	1U Rack-mount	

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