

PX0420 is an embedded communication server which could be used as portal server for new generation of 'Converged Communication' for small-medium enterprises (SME). The PX0420 intergraded with rich feature set of high-end PBX telephone systems, plus the convenience and cost saving advantages of Voice over IP. It is so easy to configure that a fully working system can be set up in minutes. The advantages of PX420 is simple, reliable, easy to manage, high integration of functions, and OUTSTANDING cost-performance.



Item	PX0420	
Port	WAN	1xRJ45
	LAN	1xRJ45
	USB	1
	FXO	4
Dimention	260*150*44mm	
Weight	2kg	
Security Compliance	FCC and CE Certified.	
Power Adapter	DC12W/1000mA	
Operating Temperatures	0°C-40°C	
Humidity	10%-90%RH (Non-condensing)	

Key Industry Standards Support:

- RFC3261 (RFC3262, 3263, 3265, 3325, 3515, 3581, 3891, 2976, 3326, 4235, 4240)
- SDP (RFC2327,4566,3264,4574,4796)
- RTP (RFC1889,3550 3984)
- DTMF: In-Band/Out-of-Band (RFC2833)/SIP INFO
- HTTP/Digest Authentication (RFC2617)
- MWI (Message Waiting Indication) RFC3842
- Presence/IM (RFC2778, 3858, 3863, 4480)
- Voice Codec: (TransCoding) G.729A,GSM, Speex, G.711U, G.711A; (Pass Through) iLBC, G.723, Video Codec: H.263, H.264, Mpeg4 [Pass Through]
- VPN: PPTP/L2TP Server □ Open VPN Client
- Enum (RFC2916 □ 3761, 3764)
- PPPoE (RFC2516)
- Dynamic DNS (RFC2136, 2137), DHCP(RFC2131)

Advanced IP-PBX Features

- Supports Automatic Call Distribution
- Supports 6-way Conferencing
- Video Communication (Supports H.264 /Pass Through)
- Supports Group ringing

IP-PBX Features Set

Accommodation for Network Conditions

- Router functions.
- Supports DMZ Deployment
- DHCP Client, PPPoE (ADSL), or Static IP
- Supports Dynamic DNS (DDNS) Registration
- Open VPN Client and PPTP VPN server
- Supports SIP NAT
- DHCP Server

Typical PBX Features

- Call Forward/Call Transfer / Call on Hold/Call Park
- Follow Me
- Call Pick-Up
- Extension acts as an operator
- Auto Attendant
- Do not Disturb (DND)
- Call Restricted
- Music on Hold or Personalized Greeting
- Call Detail Records (CDR), Supports customized calling rate.
- T.38 Fax (Pass Through)
- Supports Voice Mail with personal greeting (with MWI)
- Caller ID (FXO ports support FSK and DTMF Caller ID)

QoS Control Functions

- Compliant with Tag of VLAN, 802.1P/802.1Q
- Supports Type of Service (TOS/DSCP)
- Jitter Buffer and CNG for better voice quality
- Echo Cancellation

External Trunk Connections

- SIP Trunk, Connection with ITSP
- Outgoing SIP calls
- Incoming calls with multiple registrations
- FXO Trunk

- Supports Customized IVR Call Flow XML describe IVR
- Presence/Instance Messaging
- Built-in Push2Talk Function Microsoft IE/Firebox Plug-In Supports Web800

- Incoming or outgoing calls via FXO ports.

**Flexible and Manageable
Dial Plans or Calling
Route**

- Use a prefix to select different route
- Least Cost Routing (LCR) for better cost management
- Supports grouping of extensions