

ePBX100A-128

30 Extensions IP-PBX for small office



ePBX100A-128 Front view



ePBX100A-128 Rear view

- Support up to 30 Extensions to register**
- Up to 15 NAT Traversal concurrent calls**
- Voice mail box**
- Easy interface to other IP-PBX**
- Flexible Auto Attendant**
- Provide CDR in real time**
- Flexible Routes and Dial Plans**

ePBX100A-128 is a small SIP based IP-PBX which allows up to 30 IP devices to register. It is flexible to support WAN port connect to internet and LAN port to private IP or DHCP. By NAT voice traversal features, the calls are free between internet and inside IP. This device is suitable for small office PBX application for inter-office calls or talk to remote office via internet or VPN network. It is easy to connect with external FXO gateway to interface with local PSTN line or PABX's extension and IP Phone extensions.

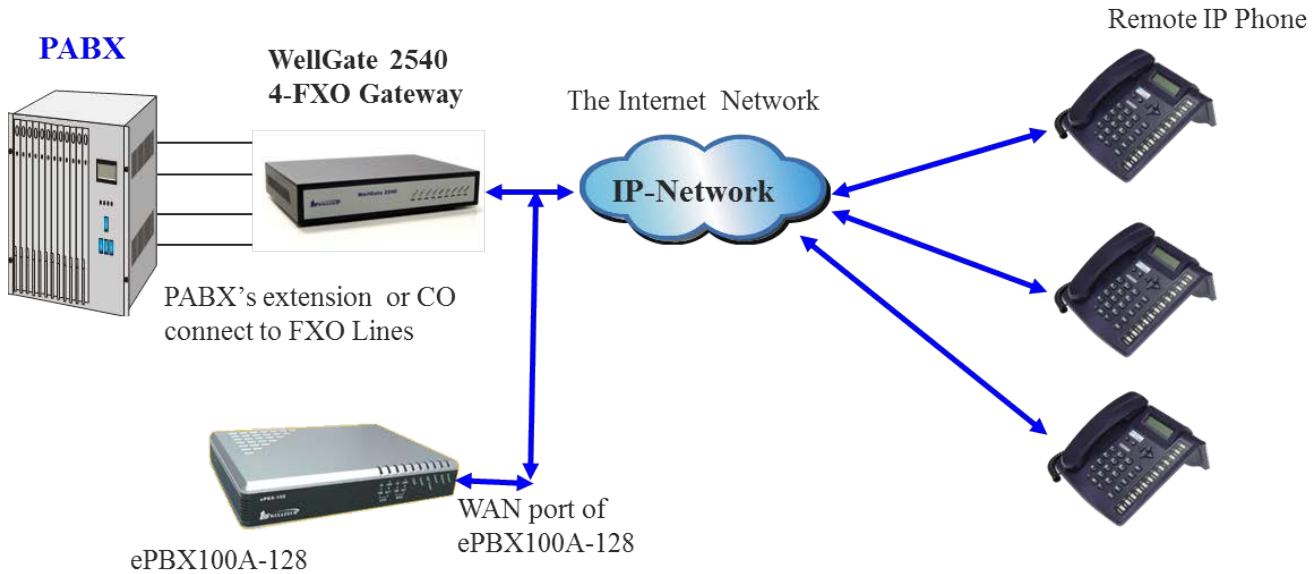
It supports Rich traditional PABX features and flexible connection with other analog Telephony via FXS gateway and IP based devices. Calls can be implemented between them by using existing dial behavior without hassle.

Application

ePBX100A-128 is a SIP IP-PBX device to connect with IP network to receive/make calls. And also connect to other IP-PBX or SIP Server to make IP calls. It allows remote IP devices which were installed behind router to register and make calls. It is compatible with broadband internet service device such as ADSL/Cable Modem and WiMax/3G Modem via WAN port and local IP devices to connect at LAN port to call between WAN and LAN ports.

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SPECIFICATION

Interface:

Ethernet port (RJ-45, 10/100 base-T)
1-WAN port, connect to IP Network
1-LAN port connect to local network
DC +12V power input Jack
LED Indicator for SIP and Network status

IP Network connection

IPv4 (RFC 791) for WAN and LAN ports
IP/ICMP/ARP/RARP/SNTP
NTP Server and Time Zone setting
Email address, SMTP Setting
Static IP
WAN : DHCP, Fixed, PPPoE, DDNS
LAN : Static Private IP or DHCP Server
VLAN on WAN and LAN port
PPPoE Client
DDNS (DynDNS)
DNS Client
DMZ Setting
NAT traversal for voice and SIP commands only
Install behind NAT
Remote and local NTP server with time zone configuration
TCP/UDP (RFC 793/768)
RTP/RTCP (RFC 1889/1890)
Download/Upload Bandwidth control
Filter Selection: URL, IP, MAC address, port and application
Port forward
Maximum and Reserved Bandwidth setup by Percentage or Specific Rate

SIP Protocol :

RFC3261 compliance
SIP UDP Protocol
Support SIP compact Form

Support SIP HOLD Type

MD5 Digest Authentication (RFC2069/RFC2617)

Allow FXO/FXS gateway, IP Phone to register.

Link to desire remote IP-PBX or SIP server with security control

Audio Codec :

G.711 A-law/ μ -law, G.729, GSM and G.723.1 pass-through

Support pass through Video Call

Packet Loss Compensation

Automatic Gain Control

Out Band DTMF (RFC4733, RFC2833 / SIP INFO)

Adaptive/Configurable Jitter Buffer

G.168 Acoustic Echo Cancellation

Selectable Call Progress Tone

Call Features :

Automatic voice attendant

Record your own greeting voice messages via analog phone set

Left voice messages to Email address or inside Flash memory

NAT Traversal configurable

Busy Line Call Monitor : Caller/Called number, start/stop time.

Extension and Trunk current setting indication

Call Forward (Busy, Unconditional, No Answer)

Configurable Call and Pickup group

Block Anonymous Call

Music Ring Back Tone

Music file format : WAV or MP3

Call Hold

Call Transfer

Call Park

Flexible Dial Plan

Configurable Feature Codes (PABX features) to dal from keypad

Support 2 Offices/Locations call rule to configure

Call-in Rule : desire working/non-working time, Operator Group, desire Auto-Attendant play time.

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Outgoing Routing Rule (Drop, Replace, Add) and Routes selection
Incoming Routing Rule (Drop, Replace, Add)
Dial Group Setting
Call Group, Pick up group Setting
Speed Dial configuration
8-party Conference Call
T.38 FAX Call setting
Configure maximum concurrent SIP or FXO Trunk calls
Desire Trunk ID call
RTP Routed or Direct mode selection
SIP Trunk and FXO Trunk setting
Flexible Routing Plan
BLF, Busy Extension Status Indication
Voice broadcasting over IP Phone with separated group
(6 IP Phones per broadcasting group)
Provide real time CDR to external Billing server or store inside

MANAGEMENT :

Administrative Telnet and HTTP and port number configuration
(Windows IE Browser Only)
Subscriber information display
Call Monitoring (current status)
Multilingual Web User Interface
HTTP port and user ID, Password control
Telnet port and Password control
Firmware and Library upload
Hold Tone (Music RBT) File upload (Wav and MP3 format)
Import: Configuration, IVR package, IVR(GSM) file, extension
Export: Configuration, IVR package and extension.

Configuration Backup/Restore
Reset to Factory default setting
Soft-Reset or Reboot System
Status display: Network, Line, SIP Trunk status

Environmental :

Dimension: 17.5(W) x 12.5(H) x 3.2(D) CM
Weight: 0.6kg (One unit with packing)
Operating Temp. & Humidity
- Temp.: 0°C~45°C (32°F~113°F)
- Humidity: 10%~90% relative humidity, non-condensing
Maximum Power Consumption : 8 Watts (0.6A at 12Vdc)
Power Adaptor:
- INPUT: AC100V~240V, 50/60Hz
- OUTPUT: DC 12V, 1.0A

Approvals:

CE, FCC, LVD and RoHS

Country of origin:

Made in Taiwan

Packing Accessories

ePBX100A-128 main unit x 1 pcs
AC to DC+12V Power adaptor x 1 pcs
CD User Manual x 1 pcs

Warranty

One year

Comparison table between two IP-PBX.

	ePBX100A-128	ePBX08
Registration IP devices	30	24
Concurrent NAT Calls	15	8
Built-in FXS gateway	N/A	8
Meet Me Conference Calls	8-party	N/A
Voice Codec	G.711, G.729, GSM, G.723 pass-through	G.711 and G.729 pass-through
Video Call	YES	N/A
Voice Mail Box	YES	N/A
T.38 FAX	YES	N/A
LAN port DHCP Server	YES	N/A
Broadcasting	YES, 6-party per group	N/A
Dimension	17.5(W) x 12.5(H) x 3.2(D) CM	19-inch chassis, 1U high, 11 CM depth