

# IP PBX: IP PBX-U503

Suitable for Large-sized Enterprises.



## Overview

IP PBX-U503 is a new generation of large capacity unified communication. Based on powerful hardware platform, It supports 800 extensions and 100 concurrent calls integrated voice, video, fax, conference, recording etc. It provides four slots to install E1/T1 boards, FXS and FXO boards by hot-plug mode, so that it can be flexibly configured and combined according to the actual use scenarios. IP PBX-U503 help businesses establish a convenient and efficient IP telephone system.

## Benefits

- Up to 800 SIP Users and 100 Concurrent Calls
  - Support Voicemail / Voice Recording
  - Support Multi-level IVR
  - Web GUI Configuration, Telnet Management
  - Flexible Dial Rules Based on Time, Number or Source IP
- etc.

## CHARACTERISTICS

### IP PBX-U503

#### Hardware Specifications

##### Hardware

<b>MCU Boards</b>	2
<b>User Board Slots</b>	4 (E1/T1, FXS, FXO boards optional)
<b>FXS Board</b>	2* RJ45 with 8 FXS
<b>FXO Board</b>	2* RJ45 with 8 FXO
<b>E1/T1 Board</b>	4* E1/T1 Ports
<b>FXU Hybrid Board (4 FXS + 4 FXO)</b>	2* FXU Hybrid Ports
<b>MCU Board</b>	
<b>100/1000M, Base-T, RJ45</b>	2
<b>USB 2.0</b>	1
<b>Console Port</b>	1
<b>FXS</b>	
<b>Connector</b>	RJ45
<b>Caller ID</b>	Bellcore Type 1&2, ETSI, BT, NTT and DTMF
<b>Answer and Disconnect Signaling</b>	Answer, Disconnect, Busy Tone
<b>Polarity Reversal</b>	Support
<b>Hook Flash</b>	Support
<b>FXO</b>	
<b>Connector</b>	RJ45
<b>Caller ID</b>	FSK, DTMF
<b>Polarity Reversal</b>	Support
<b>Answer Delay</b>	Support
<b>Detection of Busy Tone</b>	Support
<b>Detection of No Current</b>	Support
<b>Auto Match of FXO Impedance</b>	Support

## CHARISTERISTIC

### IP PBX-U503

#### PSTN

##### E1/T1 Ports

4 Max

##### Interface

RJ48 (120Ohm)

##### ISDN PRI

23B+D(T1), 30B+D(E1), NT or TEITU-T Q.921, ITU-T Q.931, Q.Sig

##### Signal 7/SS7

ITU-T, ANSI, ITU-CHINA MTP1/MTP2/MTP3, TUP/ISUP R2 MFC

#### Voice Capabilities

##### VoIP Protocols

SIP over UDP/TCP/TLS, RTP/SRTP

##### Codecs

G.711, G.723.1, G.729A/B, G.722, G.726, OPUS

##### Silence Suppression

Support

##### Comfort Noise Generator (CNG)

Support

##### Voice Activity Detection (VAD)

Support

##### Echo Cancellation

G.168 with up to 128ms

##### Dynamic Jitter Buffer

Support

##### Adjustable Gain Control

Support

##### Automatic Gain Control (AGC)

Support

##### Call Progress Tones

Dial Tone, Ring Back Tone, Busy Tone

##### FAX

T.38 and Pass-through

##### NAT

STUN / UPnP

##### DTMF

RFC2833 / Signal / Inband

##### VPN Server / Client

Support

#### Maintenance

##### Web GUI Configuration

Support

##### Telnet Management

Support

##### Configuration Restore / Backup

Support

## CHARACTERISTICS

### IP PBX-U503

**Multiple Languages Supported** Support

**HTTP/TFTP/FTP Firmware Upgrade** Support

**Auto Provision** Support

**Syslog** Support

**Ping and Tracert** Support

**Traffic Statistics** TCP, UDP, RTP

**Network Capture** Support

**NTP** Support

**Classification of Web Users' Rights** Support

**HTTP & HTTPS / NATS API** Support

### PBX Services

**Call Forward** Unconditional / No Answer / Busy

**Call Waiting** Support

**Call Holding** Support

**Call Transfer** Support

**Hotline** Support

**Do Not Disturb** Support

**3-Way Conference** Support

**Ring Group** Support

**Call Queue** Support

## CHARACTERISTICS

### IP PBX-U503

**Routing Groups** Support

**Caller / Called Number Manipulation** Support

**Routing Based on Time Period** Support

**Routing Based on Caller/Called Prefixes** Support

**Routing Based on Source Trunks** Support

**Dial Rules** Support

**Failover Routing** Support

**Multi-level IVR** Support

**Auto-attendant Function** Support

**CDRs** Support

**Voicemail** Support

**Voice Recording** Support

**Max SIP Extensions** 800

**Max Concurrent Calls** 100

**Paging** Support

**Event Report** Support

**Email Client** Support

**Voicemail to Email** Support

### Environmental

**Power Supply** 1+1 Power Supply, 100-240VAC, 50-60 Hz

**Power Consumption** 50W

**Operating Temperature** 0 °C to 45 °C

**Storage Temperature** -20 °C to 80 °C

**Humidity** 10%-90% Non-Condensing

**Dimensions (H×W×D)** 437×345×49mm

**Unit Weight** 5.7 kg



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