

SME IP PBX

Overview

TSV-IPB100-60 is a VoIP PBX phone system designed for small and medium sized enterprises to boost productivity, improve efficiency and reduce telephony and operational cost. As a converged platform offering diverse connectivity to all networks like FXO (CO), FXS, GSM/VoLTE and VoIP/SIP, supporting up to 60 users, TSV-IPB100-60 allows businesses take advantage of state-of-art technology and enterprise class features with small investments, delivers high performance and superior quality to meet the communication needs of today and tomorrow.

Pictures



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Key Features

Integration of multiple networks include FXO (CO), FXS, GSM/VoLTE and VoIP/SIP

Modular design with selections of FXS/FXO module, GSM/LTE module

Open standard SIP, easy to integrate with different SIP endpoints

Voice Mail and Integrated Auto-attendant, Voice Recording

Easy to integrate Wi-Fi desk phone, Wi-Fi handsets with SIP through Wi-Fi hotspot

Powerful performance, with up to 60 SIP Extensions and 15 concurrent calls

User-friendly web interface, multiple management ways

Physical Interfaces

FXS/FXO Ports:

1* FXS/FXO Hybrid or 2 * FXS or 2* FXO

1* GSM or VoLTE Channel

USB Interface: 1* USB2.0

Ethernet Interfaces:

2* 10/100M, Base-T, RJ45

Wi-Fi: 802.11 b/g/n ,2.4GHz ,1T1R

1* SD card slot

Indicators: FXS, FXO, USB,SD,PWR/RUN

FXS / FXO

Connector type: RJ11

Caller ID: DTMF, FSK ITU-T V.23 and

FSK Bellcore

Polarity Reversal

Busy Tone Detection (FXO)

2G/VoLTE (OPTIONAL)

1* SIM Slot

1.8V,3V SIM Interface

SMS/USDD

Antenna: SMA (Male) Connector,
3.0dB

GSM or VoLTE on Demand

Frequency Bands:

2G: 850/900/1800/1900MHz(GSM)

LTE(VoLTE and Data):

Back forward Compatible with 2G/3G

Type E Frequency Bands:

FDD:B1/B3/B5/B7/B8/B20

TDD: B38/B40/B41

WCDMA: B1/B5/B8

GSM:900/1800MHz

Type AU Frequency Bands:

FDD:B1/B2/B3/B4/B5/B7/B8/B28

TDD:B40 WCDMA: B1/B2/B5/B8

GSM: 850/900/1800/1900

Notes: please choose dedicated VoLTE according to frequency of local operator.

Voice Capabilities

VoIP Protocols: SIP over

UDP/TCP,RTP/RTCP

G.711a/μ law,G.723.1, G.729A/B Codecs

Silence Suppression

Comfort Noise Generator(CNG)

Voice Activity Detection(VAD)

G.168 Echo Cancellation

Dynamic Jitter Buffer

Adjustable Gain Control

Automatic Gain Control (AGC)

Call Progress Tones: Dial Tone, Ring Back
Tone, Busy Tone

NAT: STUN/Rport

DTMF: RFC2833/Signal/Inband

SIP TLS/SRTP/VOS encrypt

Maintenance

Web GUI Configuration

Telnet Management

Configuration Restore/Backup

Multiple Languages Supported

HTTP/HTTPS/FTP Firmware Upgrade

Auto Provision

CDR Report and Export

Syslog

Ping and Tracert

Traffic Statistics: TCP,UDP,RTP

Network Capture

NTP

Environmental

Power Supply: 12VDC, 1A

Power Consumption: <10W

Operating Temperature: 0 °C ~ 40 °C

Storage Temperature: -20 °C ~80 °C

Humidity: 10%-90% Non-Condensing

Dimensions (W/D/H):

178×98×28mm

Unit Weight: 0.5kg

PBX Services

SIP Trunks and Extensions

Fax over IP (T.38 and Pass-through)

Call Forward

Call Waiting / Hold

Call Transfer

Call Pickup

Call Monitor / Bargain in

Hotline

Do-not-disturb

3 Way Conference

Ring Group/Route Group

Call Queue

Paging

Caller/Called Number Manipulation

Routing Based on Time Period

Routing Based on Number

Prefixes(Support Regex)

Routing Based on Multi Source

Failover Routing

SMS Route

Multi-level IVR

Auto-attendant Function

CDRS/Signal Trace Loop Back

VoiceMail/Voice Recording

Up to 60 SIP Extensions

Up to 15 Concurrent Calls

Open NATS Cloud Service

Event Report via HTTP/NATS

VoiceMail to Email

Network

Access Rules

DHCP Client/ DHCP Server

Port Forward, DMZ, Static Routes

PPTP/L2TP/OpenVPN Server