



# UC120 SME IP PBX

## Overview

UC120 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, UC120 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



Front



Back

## 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

1\* SIM Slot

1.8V,3V SIM Interface

SMS/USSD

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/Client

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**DINSTAR**

### About Us

Founded in 2011 in Shenzhen, DINSTAR is a leading global provider of IP Unified Communication products including VoIP Gateways, IP PBXs, IP Phones and SBCs, we have been delivering more agile, efficient and affordable communication solutions and unparalleled communication experiences to our customers with our reliable, innovative and future-proof products for years. Through our value-added distributors and resellers worldwide, now DINSTAR serves telecom operators, service providers, system integrators, enterprises, SMBs and OEM partners in over 100 countries.