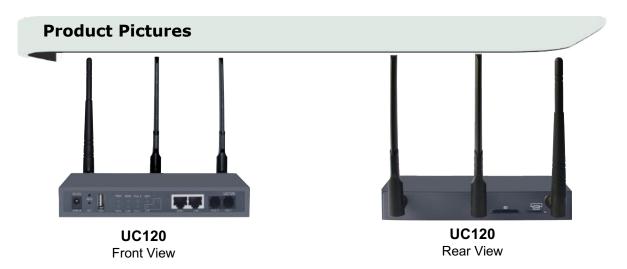# UC120 SME IP PBX

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.

Product Pictures

UC120
Front View

UC120
Rear View

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

UC120 SME IP PBX

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

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

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.

UC120 SME IP PBX

IP PBX Features

- SIP Trunks and Extensions
- Fax over IP (T.38 and Pass-through)
- Call Forward
- Call Waiting / Hold
- Call Transfer
- Call Pickup
- Call Monitor / Bargin 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 CloudService
- Event Report via HTTP/NATS
- Voicemail to Email

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

Network

- Access Rules
- DHCP Client/ DHCP Server
- Port Forward, DMZ, Static Routes
- PPTP/L2TP/OpenVPN Server/Client

Environmental

- Power Supply: 12VDC, 1A
- Power Consumption: <10W
- Operating Temperature. 0 ℃ ~ 40 ℃ Storage Temperature: -20 ℃ ~80 ℃
- Humidity: 10%-90% Non-Condensing
- Dimensions (W/D/H): 178×98×28mm
- Unit Weight: 0.5kg

UC120 SME IP PBX

Product Information

UC120 Model List

Model	Description
UC120-1V1S1O	1* LTE, 1* FXS, 1* FXO, Wi-Fi, 2* 10/100Mbps, PoE Optional
UC120-1G1S1O	1* GSM, 1* FXS, 1* FXO, Wi-Fi, 2* 10/100/Mbps, PoE Optional
UC120-2O	2* FXO, Wi-Fi, 2* 10/100/Mbps, PoE Optional
UC120-1S1O	1* FXO, 1* FXS, Wi-Fi, 2* 10/100Mbps, PoE Optional

About Us

Founded in 2011, Shenzhen Dinstar Co., Ltd. is a trusted provider of IP communication products and services with a strong R&D team used to work in Huawei. Dinstar owns the most complete VoIP gateway products line in China, which covered SME VoIP PBX, Session Border Controller, GSM/WCDMA/LTE Wireless Gateway, E1/T1 Trunk Gateway, FXS/FXO Analog Gateway, SIMBank and SIMCloud system. Through our increasing innovation ability, excellent user experience, high performance-price ratio and tailored OEM/ODM service, Dinstar products and services have been widely deployed and recognized by telecom operators, system integrators, enterprises, SMBs and OEM partners for over 90 countries.

Contact Us

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