Synway IPPBX Series

UC200

Hardware Manual

Synway Information Engineering Co., Ltd

www.synway.net

Content

Copyright Declaration

Chapter 1 Product Introduction

Thank you for choosing the Synway IPPBX Series UC200 products (hereinafter referred to as 'UC200'). It is a powerful, reliable and cost-effective VoIP solution that Synway developed for Enterprise Unified Communications, Customer Service Center, Hotel Voice Communications, etc.

1.1 Characteristic Features

- UC200-15 supports up to 15 concurrent calls and up to 60 extensions.
- UC200-30 supports up to 30 concurrent calls and up to 120 extensions.
- UC200-45 supports up to 45 concurrent calls and up to 220 extensions.
- UC200-60 supports up to 60 concurrent calls and up to 330 extensions.
- Integrates 4 FXO ports and 2 FXS ports for communications without power.
- Built in with multi-level IVR systems, supporting teleconferencing, call queuing, CDR, sound monitoring, call broadcasting, etc.
- Supports HTTPS, TLS and SRTP to guarantee the safety of communications.
- Includes two 100-megabyte network interface cards, supporting three modes: Dual, Bridge and Route.
- Has 8G internal storage with extendable external storage via TF and USB cards.

1.2 Hardware Description

UC200 adopts an external 12V power supply. The table below gives a detailed introduction to the interfaces, buttons and LEDs on UC200.

Interface	Description
LAN	Amount: 2
	Type: RJ-45
	Bandwidth: 10/100Mbps
	Self-Adaptive Bandwidth Supported
	Auto MDI/MDIX Supported
FXS/FXO	Amount:6
	Type: RJ-11
	Maximum Transmission Distance: 1500m
	Charge Mode: Negative Anti-billing Supported
Console Port	Amount: 1
	Type: MiniUSB
	Baud Rate: 115200 bps
	Connector: MiniUSB
	Data Bits: 8 bits
	Stop Bit: 1 bit
	Parity Unsupported
	Flow Control Unsupported
Power	External power input: 12V, ≥3A, positive inside and negative outside.

Button	Description
Reset	Restore the IPPBX to factory settings.
LED	**Description**
PWR	Indicates the power state. It lights up and keeps on after UC200 starts up with the power cord well connected.
SYS	Keeps on after the startup of Linux and regularly flashes after the bootup of the PBX service.
TF	Keeps on since the TF card is well connected and flashes in data reading and writing.
USB	Keeps on since the USB device is well connected and flashes in data reading and writing.
WAN	Keeps on since the network is well connected and flashes in data transmission.
LAN	Keeps on since the network is well connected and flashes in data transmission.
Channel Indicator	FXS and FXO channels are respectively marked by green and red LED after power on. 1. When the channel is idle, the LED Lights up; 2. When the channel is off-hook, the LED flashes slowly; 3. When the channel is ringing, the LED flashes fast.

For other hardware parameters, refer to Appendix A Technical Specifications.

Appendix A Technical Specifications

Dimensions

$186 \times 30 \times 108 mm^3$

Weight

0.83 kg

Environment

Operating temperature: 0℃—45℃

Storage temperature: -20℃—85℃

Humidity: 8%— 90% non-condensing

Storage humidity: 8%— 90% non-condensing

LAN

Amount: 2 (10/100 BASE-TX (RJ-45))

Self-adaptive bandwidth supported

Auto MDI/MDIX supported

FXS Port

Amount: 2

Type: RJ11

Maximum transmission distance: 1500m

FXO Port

Amount: 4

Type: RJ11

Impedance

Telephone line impedance: Compliant with the national standard impedance for three-component network

Console Port

Amount: 1 (MiniUSB)

Baud rate: 115200bps

Connector: MiniUSB Connector

Data bits: 8 bits

Stop bit: 1 bit

Parity unsupported

Flow control unsupported

Note: Follow the above settings to configure the serial port; or it may work abnormally.

Power Requirements

Input power: 12V DC not less than 3A

Signaling & Protocol

SIP signaling

Supported protocol: SIP V1.0/2.0, RFC3261

Audio Encoding & Decoding

G.711A	64 kbps
G.711U	64 kbps
G.729	8 kbps

Sampling Rate

8kHz

Appendix B Technical/sales Support

Thank you for choosing Synway. Please contact us should you have any inquiry regarding our products. We shall do our best to help you.

Headquarters

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