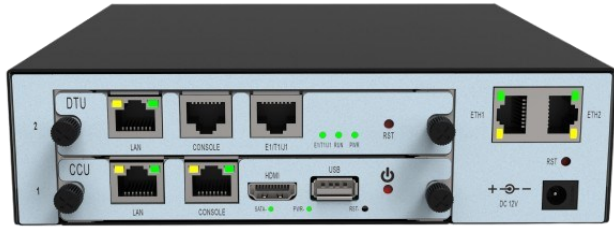# UCP1202 Unified Communication Platform

Overview

OpenVox Unified Communication Platform (UCP) is the ideal solution to integrate data, voice and video in one product for small and medium-sized enterprises, which can be used in scenarios such as government and enterprise call systems, commercial call centers, and dispatch center industries.

UCP1202 supports 1 main control board slot and 1 service board slot to meet the service needs of less than 100 users.

The concept of UCP is that users can choose different functional and performance module boards and control boards according to their needs, and these modules are connected to the backplane via high-speed Ethernet through special communication connectors. UCP products adopt SIP softswitch core, high integration, broadband and narrowband integrated design, which can effectively improve communication efficiency and reduce operating costs. The products are connected to PSTN (Public Switched Telephone Network) or private network voice switching equipment via digital or analog trunks, and broadband SIP trunks.

UCP1202 Available Modules

UCP1202 adopts sheet metal chassis, 188mm wide, 202mm deep and 50mm high. It provides 1 main control board slot and 1 service board slot.

Slot	Function	Available Module
1	Main control board slot	CCU-N
2	Module board slot	WTU/AIU/ DTU/RIU/ ACU/MIU

Products

Chassis	
UCP1202	2-slot chassis
Core Control Unit	
CCU-N-BAYL	Intel Bay Trail quad-core processor
CCU-N-GML	Intel Celeron Gemini Laky quad-core processor
CCU-N-ALDER	Intel N-series Alder Lake-N quad-core processor
Module Unit	
WTU	Support 4 GSM/LTE channels access
AIU-8	Support 8 FXO, 8 FXS,4 FXO and 4 FXS channels
AIU-16	Support 16 FXS channels
MIU	Support 4/8 magnet channels
DTU	Support 1/2/4 optional T1/E1/PRI channels
ACU	Support 2 pairs audio inputs and outputs
RIU	Support 2/4 channels radio or audio input and output

Features

Reliability

- Passive Backplane
- Hot swapping (modular boards)
- Avoid single point of failure
- Star topology bus
- Smart modules
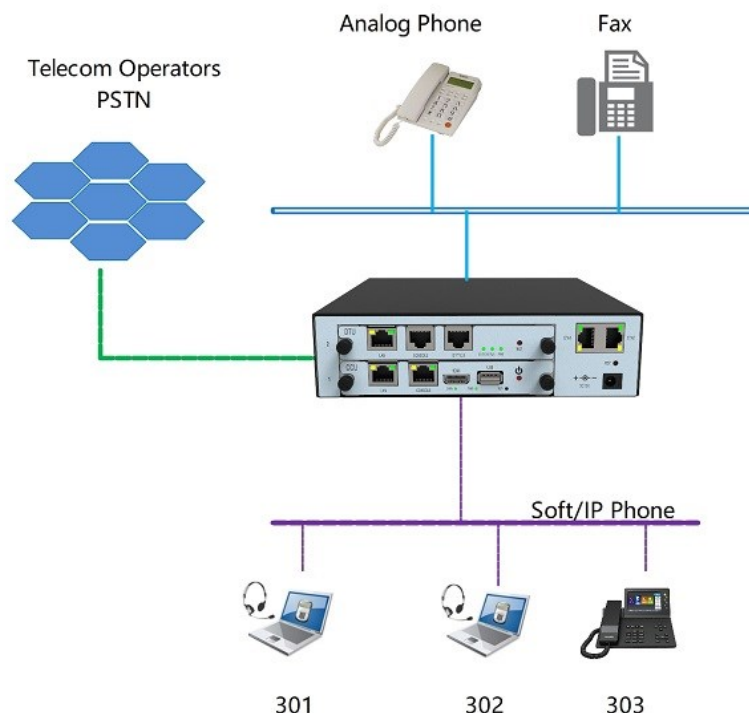- Compact PCI high-speed connector

Availability

- Wide software selection: FreePBX, 3CX, Issabel,Asterisk, etc
- Modules are easy to be installed, configured and disassembled
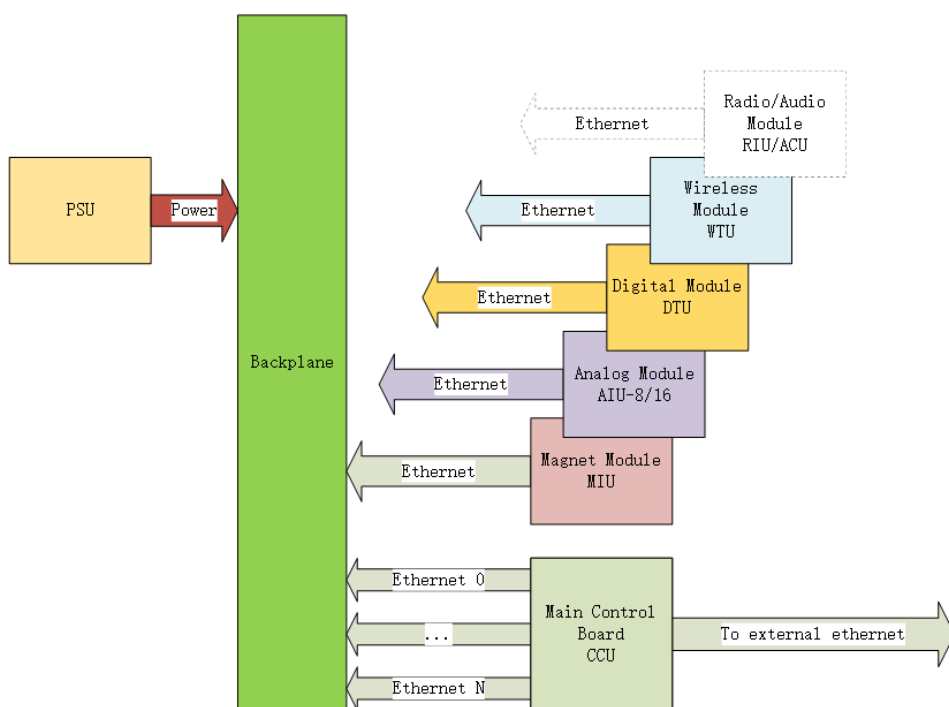- High reliability solutions

Flexibility

The UCP1202chassis provides up to 2 expansion slots, supporting any combination of the following modular boards, providing a comprehensive range of mainstream communication interfaces.

- GSM/LTE modules
- Analog modules
- Digital modules
- Audio module
- Radio module
- Magnet module

Application Topology

Architecture

UCP1202 Unified Communication Platform

Product Name	UCP1202
Slot	1 main control slot, 1 module slot
Weight	1.5kg
Dimension	188mm*202mm*50mm
Network Port	2*1000M
Maximum Power (DC power)	36W
Input Current (DC power)	3A
Input Voltage (DC power)	12V
Long-term Working Temperature	0°C ~ 45°C
Short-term Working Temperature	-5°C ~ 55°C
Operation Humidity Range	5% ~ 95% NON-CONDENSING
Storage Temperature Range	-40°C ~ 70°C
Particle Concentration in Air	Less than 180 mg/m3