

# VS-CHS-2120 Datasheet

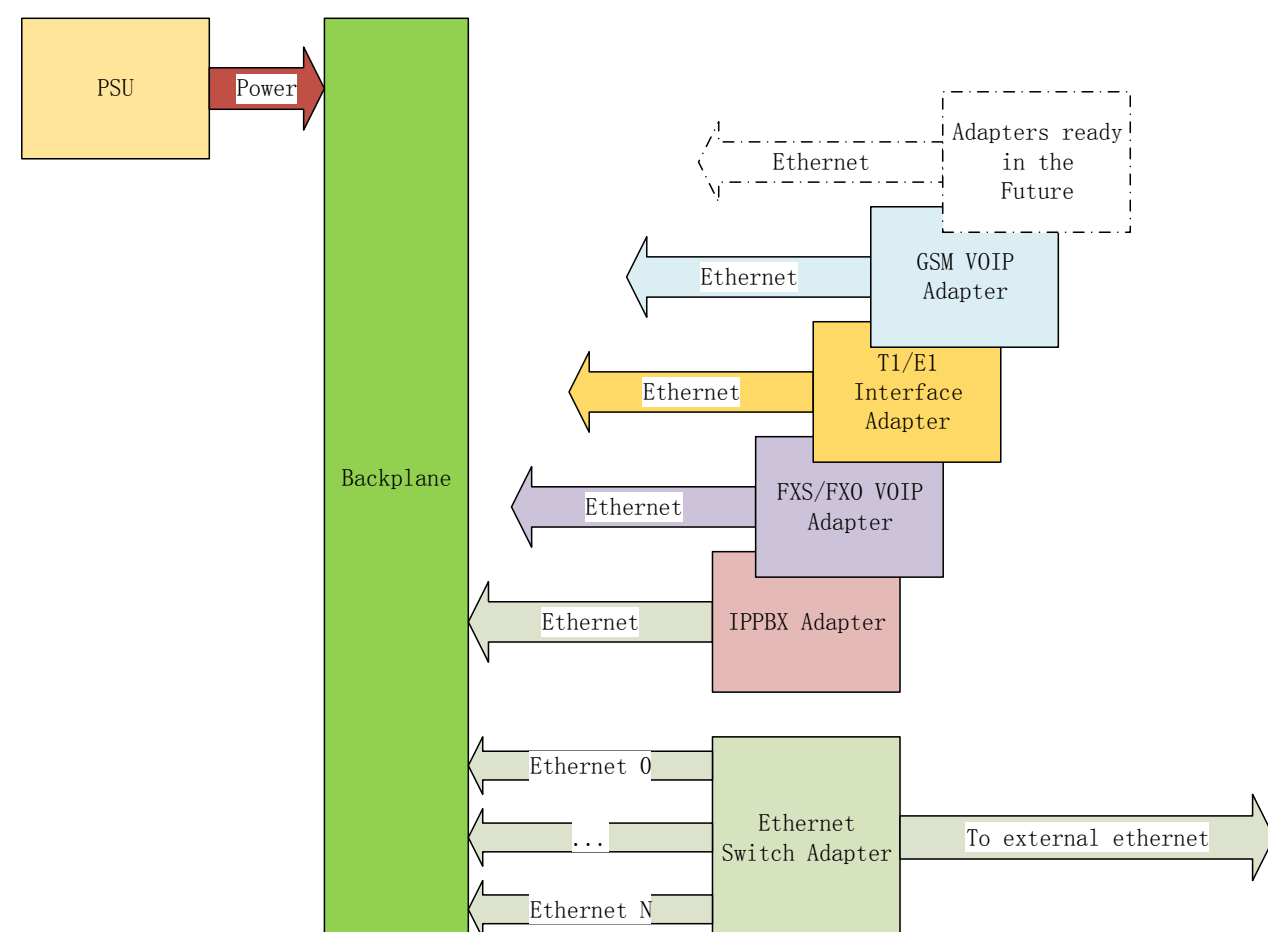
## Overview

OpenVox Unified Communication Platform (UCP) is an ideal solution to integrate data, voice and video in one product for SME market. The state of art design provides unparalleled performance, flexibility, reliability, availability, and still keeps effective cost.

UCP is a family of OpenVox products including Chassis, VOIP gateway adapters, telephony interface adapters, IPPBX processor adapters, Ethernet switch adapters etc.

The key thought of UCP is distributing different hardware blocks as standard physical size adapter and interconnecting them through high speed Ethernet bus. The bus signal and power trace are combined into backplane of a chassis. Different adapters connect to backplane through a unified connector and interconnect through Ethernet.

## Architecture



## Appearance



## Features

### Reliability:

- Passive Backplane
- Hot-plug line card
- Swappable fan module (2U model)
- Avoid single point of failure
- Star topology bus
- Smart module (Build in CPU on each line card)
- Compact PCI long life backplane connector

### Availability:

\* Wide software selection: Asterisk, Elastix, Freepbx, 3CX, etc.

### Flexibility:

Symmetrical module design cover from small size desktop to rack mountable 2U and more

- FXS/FXO
- GSM
- BRI
- T1/E1
- Processor

## Family Products

Chassis and Ethernet Switch Adapter	
VS-CHS-2120	2U 19 inch rack mount 12-slots chassis
VS-ECU-M3110	14 port 10/100M Ethernet switch adapter for VS-CHS-2120
GSM VOIP Adapter	
VS-GGU-E1M400	4 port GSM VOIP gateway adapter (SIM840 Module)
VS-GGU-E1M401	4 port GSM VOIP gateway adapter (M35 Module)
FXS VOIP Adapter	
VS-AGU-E1M800-S	8 port FXS VOIP gateway adapter
T1/E1/J1 Interface Adapter <sup>*1</sup>	
VS-EIU-1004	4 port T1/E1 adapter
VS-EIU-1004E	4 port T1/E1 adapter with hardware echo cancellation
VS-EIU-1002	2 port T1/E1 adapter
VS-EIU-1002E	2 port T1/E1 adapter with hardware echo cancellation
VS-EIU-1001	1 port T1/E1 adapter
VS-EIU-1001E	1 port T1/E1 adapter with hardware echo cancellation
Processor Adapter	
VS-CCU-N2600AH	Intel Atom N2600 Processor adapter with 2.5" HDD mount kit <sup>*2</sup>

\*1: Interface adapter is PCI-Express based must be used with processor adapter together.

\*2: This adapter occupy 2 slots.

3-Month "No-Questions Asked" Return Policy  
One-year Time Warranty

## Customize UCP System

- Step1: Confirm system scale and function  
 A UCP system is a combination of chassis and different adapters, for example, to build a 16 port FXS + 1 port E1 + 4 port GSM + 1 processor with 2.5" HDD you will need:  
 2xVS-AGU-E1M800-S  
 1xVS-EIU-1001E  
 1xVS-GGU-E1M400  
 1xVS-CCU-2600AH  
 All above adapters occupy 6 slots.
- Step2: Select chassis
  - \* The small and tiny chassis have build in Ethernet switch thus do not need one special use slot for Ethernet switch adapter.
  - \* Some adapter only support by some special slot or have some relationship with processor adapter.
  - \* If want to reserve spare slots for future expand, count on them.
  - \* Check chassis slot description section below for slot/adapter combination possibility and system scale.
- Step3: Write down all the part numbers, send to OpenVox or OpenVox partners.  
 Question?  
 Ask OpenVox (sales@openvox.cn).

## Chassis Slot Description

Each slot in an UCP chassis have a unique slot number start from 0, different model of chassis have different orientation. Each adapters installed will occupy at least 1 slot, some adapter model must be installed in special use slot. But most slots are equivalent.

- VS-CHS-2120 Slot Orientation

Slot 3	Slot 7	Slot 11
Slot 2	Slot 6	Slot 10
Slot 1	Slot 5	Slot 9
Slot 0	Slot 4	Slot 8

- Available Adapter of Each Slot

Table 1 shows shortcut for different adapters.

**A** is one pcs of adapter from these models: VS-GGU-E1M400, VS-GGU-E1M401, VS-AGU-E1M800-S

**B** is one pcs of adapter from these models: VS-EIU-1004, VS-EIU-1004E, VS-EIU-1002, VS-EIU-1002E, VS-EIU-1001, VS-EIU-1001E

**C** is VS-CCU-N2600AH

Table 1

Slot #	Function	Available Modules
0	Must install network switch adaptor	VS-ECU-M3110
2	Optional	A/C
3	Optional	A
4	Optional	A/B <sup>*1</sup> /C
5	Optional	A/C
6	Optional	A/C
7	Optional	A
8	Optional	A/B <sup>*2</sup> /C
9	Optional	A/C
10	Optional	A/C
11	Optional	A

\*1: To use B in slot 4, Must install option C in slot 5.

\*2: To use B in slot 8, Must install option C in slot 9.