



# System Controller

## VA-6502 (Specification: HC21)



### Description

The system controller is the core management equipment of the IP PA system, controls and manages the entire system. It supports the access of multiple functional boards, and has the functions of maintenance, management, recording, network management, speech-to-text conversion, and docking with other systems.

### Feature

#### 1. Main functions:

- \* Comprehensive information management platform interface: docking through the network platform;
- \* The device supports AC power redundancy;
- \* Software SDK call;
- \* Device configuration software call;
- \* Device status display: use the grid interface and connect to the SDK to display the status, including: zone status, playback information, etc.;
- \* Audio management: store and manage different audio files;
- \* Text-to-speech: TTS speech engine can be used to convert text to speech and broadcast through SDK.

#### 2. Docking functions:

- \* Support modbus protocol to connect with other systems;
- \* Support HTTP protocol and one-key alarm, docking with alarm system;
- \* Support docking with the clock system to realize unified time management of internal system;
- \* Support the provision of secondary development kits, HTTP protocol and other docking methods;
- \* Support voip telephone docking and realize telephone broadcast function.

#### 3. Broadcast management functions:

- \* Support real-time management of device information and device status, support one-key replacement of device addresses and custom group management of devices;
- \* Support the current task status management of the system, and support the closing function of the session task;
- \* Support platform information management and entry;
- \* Support the distribution and management of tasks such as trigger tasks, telephone interface card tasks, and digital transmission microphone broadcast;
- \* Support the distribution and management of broadcast tasks such as parallel broadcast, TTS broadcast, timed broadcast, emergency broadcast, and zone broadcast;
- \* Support multi-user, sub-authority, sub-device management system;
- \* Support log integration management of equipment, tasks, users, etc.;
- \* Support contact, external communication and other trigger task management;
- \* Full digital management.

#### 4. Maintenance functions:

- \* Support device search;
- \* Support equipment settings;
- \* Support common functions such as equipment modification.

#### 5. Network management functions:

- \* Session management function;
- \* Device management module;
- \* Power amplifier group management and station management;
- \* Task configuration: trigger, microphone, intercom tasks;
- \* Account management;
- \* Log management.



### 6. Recording functions:

- \* Support dual-network dual-channel backup recording;
- \* Support recording file storage of 3 month;
- \* Support recording search and export.

### 7. Speech and text conversion function:

- \* Support text-to-speech of Mandarin and English;
- \* Support customized local language conversion;
- \* Support speech to text.

## Specification

<b>Processor</b>	Intel® 4 th Generation Core /Pentium /Celeron Desktop CPU,LGA1150 Support MAX CPU TDP: 84W
<b>Chipset</b>	Intel H81
<b>BIOS</b>	AMI UEFI BIOS
<b>Memory</b>	Standard 1*8GB DDR3 1600MHz UDIMM (maximum support 2*DDR3 1600MHz 8GB UDIMM) (desktop double-slot)
<b>Display</b>	Integrated graphics card, the VGA interface supports a maximum resolution of 1920*1200@60Hz, and the HDMI interface supports a maximum resolution of 3840*2160@30Hz
<b>Internet function</b>	4*10/100/1000Mbps (Intel I211) adaptive network port, support remote wake-up
<b>Hard drive</b>	Standard 3.5-inch 1T enterprise hard drive + 120G MSATA ssd
<b>I/O interface</b>	1*VGA, 1*HDMI, 4*LAN, 1*MIC in, 1* Line out, 1* Line in, 2*USB3.0, 4*USB2.0
<b>Power supply</b>	AC100-240V 1U redundant power supply
<b>Installation method</b>	Rack mount
<b>Operating system</b>	Windows® 10/8/7/2008 / linux
<b>Dimensions (L×W×H)</b>	430mm×360mm×45mm
<b>Net weight</b>	2.3kg
<b>Color</b>	Black
<b>Operating temperature</b>	-10°C - +40°C
<b>Storage temperature</b>	-20°C - +70°C
<b>Relative temperature</b>	<95%