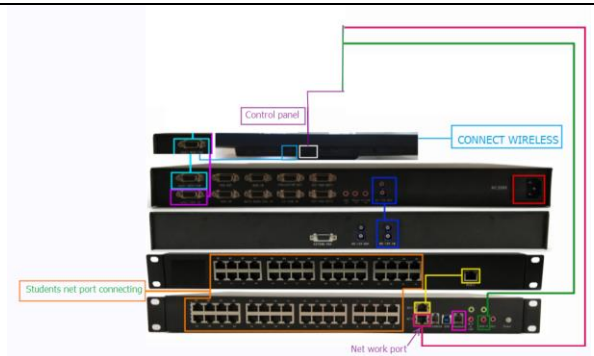
THE SHD8100L LAB LANGUAGE SYSTEM WITH COMPUTER

The SHD8100L is Lab language system use with the computer, one Students uses 1 terminal students amplifirer with a computer, use connnect keyboard and mouse by USB port, students can watch the video through by monitor of student, it has basic function of lab language system.

The detail of system

<table>
<tr><td colspan="3">The main system</td></tr>
<tr><td></td><td> </td><td>Teacher’s Computer (monitor and host – Optional)</td></tr>
<tr><td rowspan="3">Teacher part</td><td> 
</td><td>Audio data switch or main consolse (SHD8100L)</td></tr>
<tr><td></td><td></td></tr>
<tr><td>The software system</td><td>The software system</td></tr>
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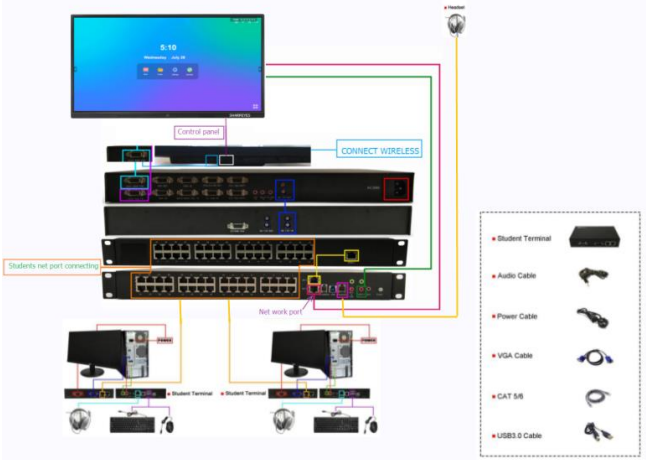
		Headset (RJ11 connection port)
Students part		Students terminal/Amplifier students (SHD8100L)
		Headset (RJ11 connection port)
		USB Keyboard and mouse
		Student's Computer
Other part		CAT 5/6 (Standard)
		Other wires(Power/VGA)
		Teacher's desk and chair
		Student's desk and chair
Multimedia part		– Projector and project screen – Projector and interactive whiteboard – Interactive flat panel
		– Apmlifier

Optional		Mobiview use for teacher or students control and writing
Diagram Connection		
The specification		
	System: MTBF: more than 1000 hours, crash and failure dropedd≤ 1 The success rate of terminal star: 100% Condition of use: -10 -45°C Relative humidity: 20%-80% Atmospheric presssure 86-106Kpa System power supply 220V ± 22V AC voltage Power frequency: 50 ± 2.5Hz	

<table>
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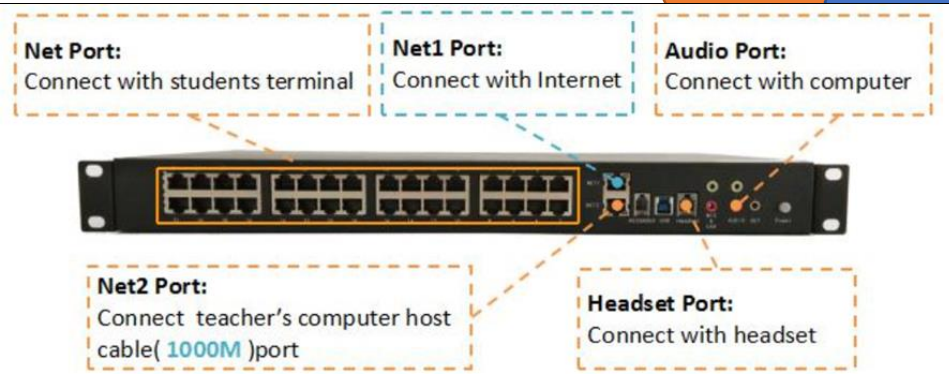
<td><u>Audio Data swicth</u> of 12844.1 KHz/16bit Audio data transmission, voice delay <1ms
Power supply: Standard 220v ± 220V power suplly, output voltage 9V
Intelligent switches: all the students' terminal power supply unified by audio data switch
SNR>80dB, distortion<1%
all in one network port (power supply, communiction control, data exchange and hight-definition VGA signal).
Connect port expanding: USB2.0*2 port, USB3.0*2 port, VGA, HDMI, LAN, wifi, Mic in, headphone, kingstone lock
Connection wirless with smartphone(android and iOS) for control by smartphone and note.</td>
<td> 
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<tr>
<td colspan="3"><u>Teaching function</u>: Audio boardcasting, videoboardcasting, screenboardcasting, multichannel boardcasting, screen monitor, dialogue/voice intercom, , groupdiscussion, job submission, digital courseware, recorder and repeat, olne cinema, whiteboard, E-responder/call
Self study:
Independent on deman, repeater, electronic reading, Learing exchange, chat-roomelectronic dictionary
Exammination: Oral test Listening test, writing test, spoken test, paper edit, test center
Management:
Remote control, black silence, system setting, fauldetect, alllock</td>
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<td>Terminal students / Amplifier:
Continuously variable transmision to the same tune: 50% - +200%
SNR >80dB
Frequence response: 125Hz-10.0KHz(± 2dB), more than 16 bit linear sampling
The recording time≥ 600 minutes
Direct drive VGA color Lcd large screen display
High definition VGA signal output</td>
<td>
</td>
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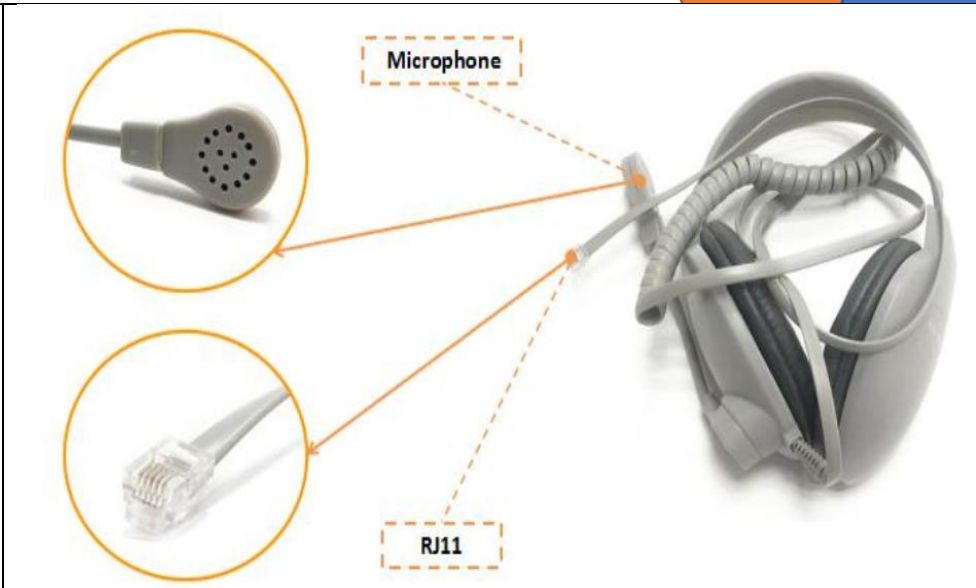
</table>

	Headphones: Frequency respone 125Hz ~ 8000Hz, ± 17dB (0dB =20 uPa) the input power = 1mw) Electrical impedance 32 Ω ± 20% Sensitivity ≥ 100dB/1mW(0dB = 2uPa) **Microphone:** Frequency respone: 40-20000hz Type electrets phone Sensitivity: -47± dB (0dB = 1V/Pa Directional type two –way Delay voice: Broadcast ≤ 1ms Intercom ≤ 1ms Breakdown time:0	
	Network: Four in one network mode Power supply, data exchange and comunication control through CAT5/6	
	System requiment: Computer system (teacher's computer and students'computer: wind 7/8/10 – 32 bit/64bit (teacher's computer (monitor +host): Cannot use the Lattop/ipad/Notebook Need 1000m Ethernet port CPU: I5/RAM 4GB, 1T Host need use VGA port, cannotuse DVI,HDMI, port type host Usb 3.0 port, computer host net port 1000m Student's computer system (Monitor+host+ Terminal/amplifier) Cannot use the Lattop/ipad/Notebook Need 1000m Ethernet port CPU: I5/RAM 4GB, 1T Host need use VGA port, cannotuse DVI,HDMI, port type host Usb 3.0 port, computer host net port 1000m	

	Computer USB keyboard and mouse and terminal/amplifier

The sepcification can change without note

Contact us: