

5G Wi-Fi Wireless Conference System Controller

5G-MC



Features:

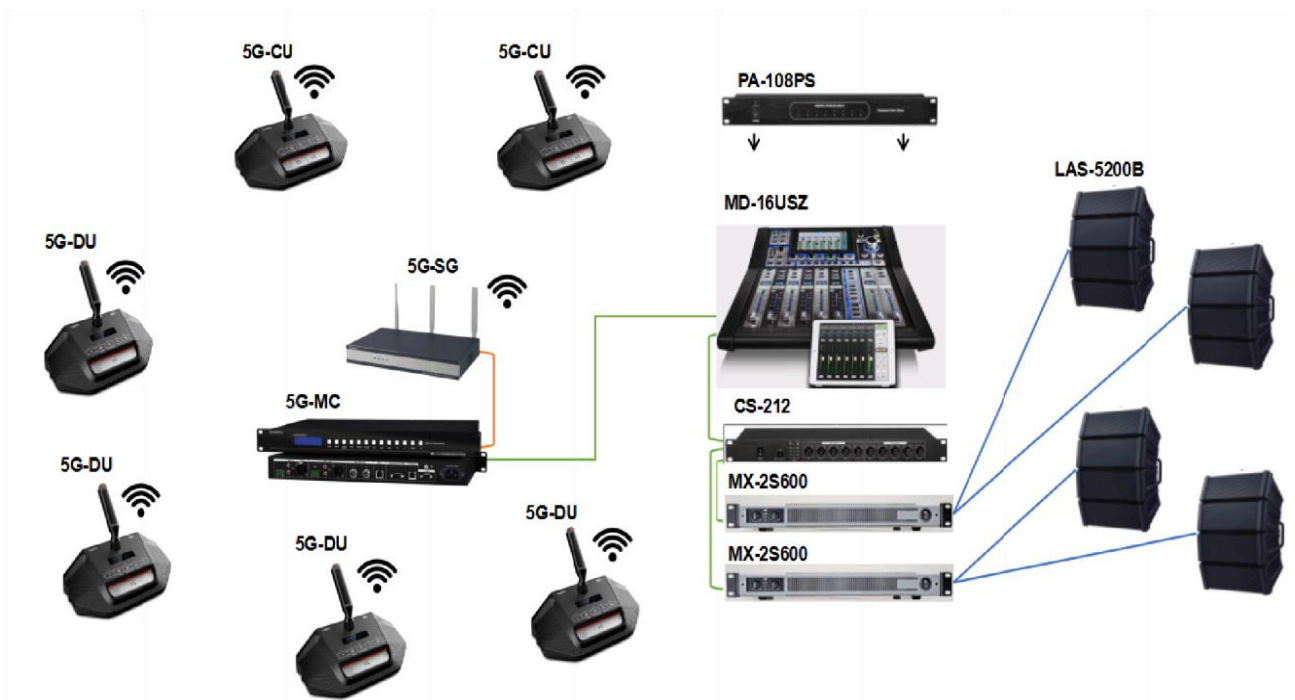
- Compatible with CE, EMC, ISO9001, ISO14001, EC 60914 & GBT15381-94;
- 5G Wi-Fi wireless connection with more stable communication;
- Non-compressed audio transmission, 48K sampling rate, 20Hz~20KHz bandwidth;
- Supports 6 wireless microphones on discussion simultaneously;
- The 5G Wi-Fi wireless conference system capacity is of max 240 wireless microphones;
- Supports PELCO/VISCA/SAMSUNG camera control protocols, supports camera auto tracking through IR & pre-sets;
- Supports PC software management via TCP/IP control;
- Supports loop connection to ensure system running without consideration of one wireless microphone failure;
- Hot standby - the system can operate even one of the 5G Wi-Fi wireless conference system master controller failure
- Supports WPA / WPA2 wireless security technology to ensure the privacy of the meeting, to avoid eavesdropping and malicious interference, supports up to 32 bytes SSID, up to 64 bytes of key, SSID hidden settings;
- RJ45 interface can be directly connected to a wireless AP access, can also be connected to 100M network switches, wireless AP. And then access the switch, expand the number of wireless AP access, that is, can achieve the application of large-scale venue;
- Built-in high-performance CPU, set the translation, discuss, sign, vote, be capable of high-speed voting, information transmission, can support 4000 meeting units to the maximum;
- 48K sampling, bandwidth of 20 ~ 20K perfect sound quality;
- Can simultaneously open 8 mic (6 wireless mic), 31 +1 channels simultaneous interpretation;
- 32 bit high speed DSP floating point processing, while supporting 2 audio acoustics feedback suppression, noise cancellation processing, to provide clear and high sensitivity perfect sound quality;
- Supports PC software management, TCP / IP control, to provide reliable security management and control;
- Supports PELCO-D, VISCA, SAMSUNG, CHARTU a variety of camera control protocol, with Wi-Fi encryption conference control host and can support the agreement camera ball, to achieve pre-set tracking;
- PC software unified management unit and intelligent fault analysis; can analyse the conference unit type, quantity, distribution, failure and so on;
- Dual machine hot backup, dual host any host failure, the system can run normally, the meeting will not be interrupted, continue to vote and so on;
- With RCA, Phoenix head, XLR head three different audio input Interface, supports balanced input, unbalanced input, support 4 audio mix input or 3 audio mix input with 1 remote video conference input;
- With RCA, Phoenix head, XLR head three different audio output interface, supports balanced output, unbalanced output, supports conference unit partition, adjustable microphone sensitivity, supports 4-channel speaker partition output, effectively improves anti feedback, can configure any one output interface to connect to the remote video conferencing system;
- Can adjust the line entry, remote video conference input, 4 audio output interface, the conference unit volume size, adjust the range of mute, -40dB to 0dB;
- With a variety of microphone sound field mode, you can also customize the sound field effect;

5G Wi-Fi Wireless Conference System Controller 5G-MC

Specification:

Model	5G-MC
Description	5G Wi-Fi Wireless Conference System Controller
System Capacity	240 units
Function	Discussion/Voting/Contribution
Monitor Speaker	2X3W
Network Interface	RJ45
Control Interface	DB9 male
Display	1602LCD Display
S/N	>80dB
T.H.D	<0.05%
Standby Power Consumption	12W
Max. Power Consumption	150W
Dynamic Range	>80dB
Frequency Response	20Hz~20KHz
Communication distance	<100m
Dimension	483LX290WX43.6H(mm)
Power Supply	AC200V~AC240V 50Hz
Optional Function	Auto-video tracking, simultaneous interpretation & AV automation control system

Connection Diagram:



5G-CU, 5G Wi-Fi Wireless Conference Chairman Unit

5G-CU, 5G Wi-Fi Wireless Conference Delegate Unit



Features:

- Wi-Fi transmission technology; strict digitalized protection to ensure the conference's confidentiality, and to prevent eavesdropping and malicious interference.
- Capacitive cardioid directional microphone with dual colour indicating ring: red for speak and flashing green colour for insufficient power;
- Built with one 3.5mm stereo earphone jacket; supports volume adjustment;
- Built-in loudspeakers; supports volume adjustment;
- OLED display with backlight, which can show the information of microphone ON/OFF, ID settings, etc.
- Non-compressed audio transmission technology; 48K sampling rate; 20Hz ~ 20KHz bandwidth; perfect audio quality;
- Working with high definition camera auto-tracking mainframe and HD IR auto tracking camera;
- Manage the microphones with PC software; supports FIFO, APPLY, and NORMAL modes, etc.
- The chairman unit has the priority to turn off the delegate units;
- Wi-Fi Encryption Conference Speech Voting: The chairman unit has the function of initiating check-in and closing check-in;
- Speech by the Wi-Fi Encryption Conference Chairman Unit can initiate a three-button vote (Approve / Abstain / Reject) and end the voting; and show voting results;
- The OLED display can show the microphone status, check-in results;
- Built-in rechargeable lithium battery, supports 24 hours continuous speaking or 26 hours standby time;
- 2 built-in 3W speakers;
- Feedback suppressor built-in: when the microphone is on, the built-in speaker will be turned off automatically to avoid feedback;
- Capacitive touch button, no mechanical button sound, long life keys.

Specification:

Model	5G-CU	5G-DU
Description	Chairman Unit	Delegate Unit
Earphone Jacket	1* 3.5mm (0.14 inch) stereo earphone jacket, 2×15mW/32 Ohm	
Frequency Response	20Hz~20KHz	
Wireless Frequency Range	4.900-5.850GHz, IEEE Draft 2.0 802.11n	
Radiation Power	15dBm	
Wireless Gain	2dBi	
Batter Output Voltage	7.2V	
Battery Capacity	3200mAH	
Continuous Speaking Time	24 Hours	
Max. Standby Time	48 hours	
Colour	Black, ABS	
Max. Power Consumption	2.6W	
Dimension	Φ=165 H=64 (mm)	

5G-WAP

5G Wireless Router



Features:

- The 5G-WAP is a wireless router. It provides the connection between the wireless conference system units and the mainframe, which is convenient, flexible and reliable solution for the wireless conference system.
- Adopted WPA/WPA2 digital encryption for Wi-Fi signal transmission, ensures the confidentiality of the meeting, and prevents eavesdropping and malicious interference.
- One RJ45 interface for connection to CH-2000 mainframe or network switch. High quality cross CAT5 cable is recommended for the connection.
- One 4 lines 3.5mm interface for connection to the CH-2000 mainframe, providing 1 way balanced audio and control signal input.
- The coverage is 30m radius in a spacious area with little interference; common coverage area is 25m radius circle.
- Compatible with IEEE802.11n Wi-Fi network standards.
- Three antenna design ensures data transmission stability.

Specification:

Model	5G-WAP
Description	5G Wi-Fi Wireless Router
Network Standard	IEEE Draft 2.0 802.11n
Network Interface	10/100Base-T
Wireless Frequency Range	5GHz
Data Transmission Speed	Max 300 Mbps
Radiation Power	802.11N:17dBm
Antenna	2.4G:3dBi, 5G:5dBi
Connected Units Quantity	Within the AP's effective range, one AP can be connected with at most 50 units
Signal Coverage	The coverage is 100 meters radius in spacious area with little interference; common coverage area is 25 radius circle.

5G-BC Battery Charger

Features:

- The battery charger is exclusively designed to charge the 5G-BT battery, which is used inside the wireless microphone.
- It is designed with a portable strong protection box, easy for rentable and mobile use.
- Can charge up to 10 batteries simultaneously.
- Charging time is about 3 hours.
- Power supply AC220V or 115V, 50-60Hz.
- Built-in over charge protection to protect the lithium battery life span.
- With charging red indicator and full green indicator.



Specification:

Model	5G-BC
Description	Battery Charger
Power Supply	AC220V or 115V, 50-60Hz
Power Consumption	200W
Charging Qty	10 units
Charging Current	7.2V
Charging Time	3 hours
Indicator	Red indicator flashing-charging, green indicator-full charged
Operation Temp	0°C to +40°C
Dimension	275L x 220W x 50H(mm)
Weight	10.75kg

5G-BT Rechargeable Battery

Features:

- The rechargeable lithium-ion battery is exclusively designed for the wireless microphone.
- Light weight and long lasting.
- 24 hours working time and 48 hours of standby time.
- Over charge protection and minimum electrolyte leakage.
- Half weight of NICAD and NIHM battery with double power capacity.



Specification:

Model	5G-BT
Description	Rechargeable Lithium Battery
Working Time	24 hours
Standby Time	48 hours
Charging Time	3 hours
Nominal capacity	3200mAh
Nominal voltage	7.2V
Internal resistance	< 220mΩ
Discharge voltage	5.5V
Weight	100g
Dimension(mm)	70.35Lx38.45Wx20.56H (mm)