

CM800 Smart Touch Screen Terminal

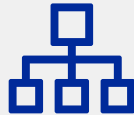


CM800 intelligent control terminal integrates microphone, speaker, touch screen Android operating system, supports POE power supply, a single device can meet the needs of audio collection, playback, and conference control, which greatly simplifies deployment. Using a 10.1-inch capacitive screen and running the Zoom Rooms control software, it provides users with the ultimate operating experience, allowing you to easily create/join a meeting and greatly improve meeting efficiency.

Main Features

Integrated design

Integrated with array microphones, high-fidelity speakers and touch screen Android system, a single device can meet the needs of conference room audio capture, audio playback and conference control.



Touch screen Android system

10.1-inch capacitive screen, Android 8.1 system, can install third-party conference control applications such as Zoom controller to control conference or video conference terminals.



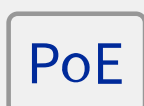
Built-in IP phone client (optional)

Built-in H.323/SIP client software, can be used as an IP phone. You can also install third-party conference software and use it as an audio conference terminal.



PoE power supply

Support power supply by power adapter, PoE, PD (through Type-C interface) etc.



Built-in microphone array and speakers

Built-in high sensitivity, high signal-to-noise ratio microphone array and high-fidelity speaker, with high-performance automatic noise suppression, automatic gain control and automatic echo cancellation algorithm, the pickup distance is up to 6 meters, and the speaker power is up to 10W.



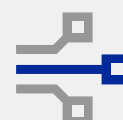
Multiple audio interface

It can be connected to PC, video conference terminal, mobile phone, etc. through standard interfaces such as Type-C/Bluetooth/3.5mm, and used as a microphone and speaker.



Extension microphone (optional)

In addition to the built-in microphone array, up to 2 extended microphones can be connected to expand the pickup range by 2 times, and the main microphone and the extended microphone can be switched intelligently, making the pickup more clear and natural. You can also use a 3.5mm interface to connect to the presenter's dedicated near field microphone. The combination of multiple microphones can meet the diverse needs of pickup.



Smart mixing

With the built-in intelligent mixing function, multiple audio inputs and outputs from various interfaces and IP phone applications can be connected to a conference, and automatically mix the audio to meet the needs of joining the conference by phone or Wechat.

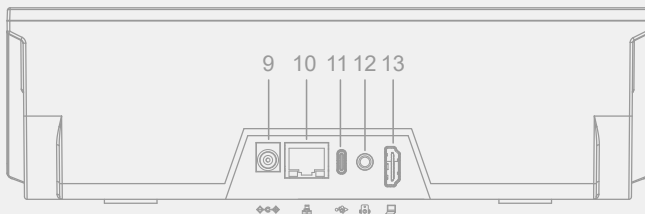
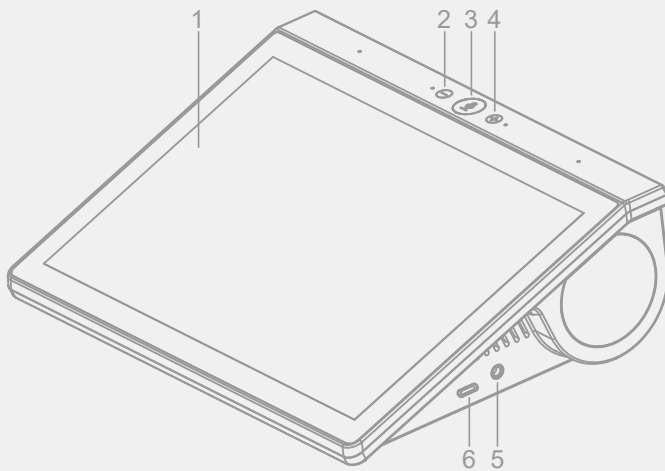


Cast screen

Be able to connect to a PC through HDMI, and wirelessly cast the PC screen to a smart TV or smart large screen, eliminating the trouble of installing screen-casting software on the PC.



Appearance and Interface



1.Touch Screen

Touch input and display

2.Volume-

Decrease the volume of the built-in or external speakers

3.Power/Mic Key and LED

When power off: Short press to power on

When power on: Short press to mute/unmute built-in microphone

LED is green when microphone is unmuted, and red when microphone is muted.

Long press for 3 seconds to show power option

Long press for more than 5 seconds to force reboot

4.Volume +

Short press to increase the volume of the built-in or external speakers

5.Phone 3.5

3.5mm audio in/out that can be connected to mobile phones or computers

6.Type-C

Type-C interface, used to connect the expansion microphone

7.DC 12V

Connect to DC adapter

8.NET

10M/100M Ethernet, support PoE

9.Type-C

USB interface that supports USB Audio (UAC)

10.AUDIO

3.5mm audio out that can be connected to external speaker

11.HDMI

It can be connected to a computer, and be taken as a camera of the android system

Product Specifications

Components	
Contents	Standard <ul style="list-style-type: none"> • Touch Screen Terminalx1 • Power adapterx1 • USB cable(1.5m)x1 • HDMI cable(1.5m)x1 • User manual(Quick start)x1
	Optional <ul style="list-style-type: none"> • USB (5m or 10m) x 1 (replaces the 1.5m USB cable in the standard kit) • Extended microphone X 2 • Extended microphone cable (5m) x 2
Hardware platform	
Operating system	Android 8.1
CPU	4*Cortex-A35, 1.2GHz
GPU	ARM G31-2EE, support OpenGL ES1.1/2.0/3.2
Memory	2G RAM+8GB ROM
Video codec	Encoder:H.264@1080P30 Decoder:H.264/H.265/VP8 1080P@60fps
WIFI standard	IEEE802.11a/b/g/n/ac,WPA,WPA2
Bluetooth	BT 5.0
Video characteristics	
Touch screen	10.1 inch IPS touch screen, support 10-point touch Resolution: 1280x800 Viewing angle: 170 degrees
Resolution	Input: HDMI input Resolution: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080
Audio characteristics	
Audio characteristics	<ul style="list-style-type: none"> • Automatic echo cancellation (AEC) • Automatic gain control (AGC) • Automatic noise suppression (ANS) • Flexible audio routing (FAR)

Interface	
Audio input interface	<ul style="list-style-type: none"> • 1 x built-in microphone array input • 1 x 3.5mm audio input and output • 1 x Bluetooth audio input and output • 1 x Type-C audio input and output • 2 x extended microphone input
Audio output interface	<ul style="list-style-type: none"> • 2 x 5W built-in speakers • 1 x 3.5mm line input and output • 1 x 3.5mm line output • 1 x Bluetooth audio input and output • 1 x Type-C audio input and output
Video input interface	1 x HDMI
USB Interface	1 x USB2.0 Type-C
Network interface	1 x RJ45: 10/100 Base-T 1 x WiFi
General characteristics	
Size	244mm x 176mm x 74mm
Electrical characteristics	<ul style="list-style-type: none"> • Working voltage: DC 12V • Maximum power consumption: 36W
Environmental requirements	<ul style="list-style-type: none"> • Temperature: 0° C ~ 40° C (working state) 40° C ~ 70° C (non-working state) • Relative humidity: 10% ~ 80% (workingstate), 0% ~ 95% (non working state) • Surrounding noise: less than 46dBA SPL • Minimum Illumination: 5lux • Recommended illumination: more than 300lux
Certification	CCC CE RoHS WEEE REACH

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