

Yealink MCoreKit-C5U Datasheet

Basic Component of Zoom Room System

The Yealink MCoreKit-C5U is a state-of-the-art solution designed to elevate Zoom Rooms, delivering a seamless and intelligent video conferencing experience. This powerful combination integrates the high-performance Mini-PC MCore 4, the intuitive large-screen touch panel MTouch Plus, and the detection sensor RoomSensor, working in unison to enable seamless automation and intelligent integration within conference rooms.

The MCoreKit-C5U ensures a smooth and efficient meeting experience with its native Zoom Rooms user interface, allowing users to start and manage meetings with ease and one-click controls. Powered by the Intel Ultra5 125H processor, the MCore 4 delivers outstanding data processing capabilities and powerful AI computing power, offering every participant an immersive video conferencing experience. Additionally, to streamline meeting control, the MTouch Plus features an 11.6-inch touch interface for intuitive device operation. The RoomSensor intelligently detects the occupancy status of the meeting room and simultaneously displays real-time environmental metrics, such as temperature and humidity, on the MTouch Plus interface, delivering intelligent room management solutions.

To cater to diverse meeting scenarios, the MCoreKit-C5U supports flexible connectivity options for audio devices and cameras, allowing users to choose between wired or wireless configurations. It also supports both wired and wireless screen sharing, enabling participants to share content effortlessly and enhance collaboration. Meanwhile, the system's simple deployment and remote management capabilities make it easy to install and maintain, reducing setup time and operational complexity.



Key Features and Benefits

Seamless Meeting Experience with Native Zoom Rooms Integration

The entire MCoreKit-C5U bundle features a native Zoom Rooms user interface, providing a familiar and intuitive experience for users. The MTouch Plus touch panel offers easy access to one-click conferencing, call control, camera adjustments, and content sharing, while the RoomSensor automatically monitors the meeting room's occupancy status. This seamless integration ensures that meetings start effortlessly and run efficiently, enhancing productivity and collaboration.

Outstanding Data Processing Capability

At the core of the MCoreKit-C5U is the MCore 4, powered by the Intel Ultra5 125H processor, which boasts exceptional data processing capabilities and powerful AI computing capabilities with its NPU. It ensures smooth and efficient meetings, enabling intelligent conferencing features. The MCore 4 empowers bright meeting rooms, providing a stable and efficient operating environment for immersive remote communication.

Real-Time Content Sharing for Enhanced Collaboration

The bundle supports both wireless and wired content sharing for maximum flexibility. Wireless content sharing is made simple with the Yealink sharing dongle, which supports wireless sharing at 1080p/30fps resolution for a superior viewing experience. Wired content sharing is supported by connecting the MTouch to a USB-C or HDMI port on a laptop using the MTouch cable. Additionally, the MCore 4 is equipped with an HDMI-In interface, supporting 4K resolution auxiliary stream input to ensure lossless image presentation, further enhancing the content sharing experience.

Flexible Audio and Connectivity Options

The MCore 4 is equipped with a rich array of ports, including LAN, USB, and HDMI-In, providing versatile connectivity options for various peripherals. Users can choose between wired or wireless microphones, ensuring crystal-clear audio quality in any environment. The MCore 4 also supports seamless connectivity with camera devices, such as the AVHub or SmartVision 80, via the USB port. When multiple cameras are connected to the AVHub, the system expands its range of connected video devices, enabling single or multi-camera AI tracking modes to frame each active participant intelligently. This flexibility ensures that the MCoreKit-C5U can adapt to diverse meeting scenarios, from small huddles to extra-large conference rooms, delivering a tailored and immersive experience.

Simple Deployment and Easy Use

The MCore 4 and MTouch Plus offer multiple installation options, allowing users to choose the most suitable deployment method based on the actual layout of the meeting room. With flexible installation methods, these devices can be positioned to make full use of every corner of the conference space. A single CAT5e cable is sufficient to connect the MCore 4 and MTouch Plus, enabling both data transmission and power supply without the need for additional cables or power sources. Additionally, the RoomSensor operates via Bluetooth (BLE), eliminating the need for extra cables to reduce cabling complexity and simplify device deployment, making the system easier to install and maintain.

Remote Device Management

These devices can support the **Yealink Device Management Platform/Cloud Service**, enabling remote management, monitoring, configuration, updates, and diagnostics of all connected devices. This feature ensures that your meeting room is always up-to-date and operating at peak performance.

Specifications

Parameter	Description
Package Content	• MCore 4, Gen-4 Mini-PC • MTouch Plus, Gen-3 touch panel • RoomSensor
Preload	• Windows 11 IoT Enterprise X64 • Windows 11 IoT Enterprise License • Zoom Rooms App • Yealink RoomConnect
MCore 4, Gen-4 Mini-	• Processor: Intel Ultra5 125H

PC	• Memory: 16GB(2*8GB) DDR5 • Storage: 256GB SSD BIOS feature: • 3x HDMI video output -CEC -EDID • TPM2.0 • Kernel DMA Interfaces: • 1 x HDMI-Out 2.1 port • 2 x HDMI-Out 2.0 port • 1 x HDMI-In port • 4 x USB3.0 Type-A Port • 1 x MTouch Port (RJ-45) • 1 x LAN port for AV network • 1 x 10/100/1000 Gigabit Ethernet Port • 1 x Power Supply Port • 1 x 3.5mm headphone Port • 1 x reset port • 1 x Security Slot • WiFi: IEEE 802.11 a/b/g/n/ac/ax • Bluetooth: BT 5.2
MTouch Plus	Physical Features: • 11.6-inch narrow bezel IPS display • Angle between screen and desktop (30° ~ 70°) • Adjustable angle of support frame (50° ~ 180°) Function Features: • 1920 x 1080 video resolution • Support wired and wireless (with WPP30) content sharing • Support external PD power supply to power the sharing device • Support HDMI/USB-C video input • Support desktop placement, desktop fixed, and wall-mounted deployment
RoomSensor	• Detection angle: 120° • Adjustable detection angle: $\pm 20^\circ$ • Operating temperature: 0-40°C • Operating humidity: 10-95%