Datasheet

AIRCON-PLUS | Wireless Screen Cast - Android



Key features

- Powered by Rockchip RK3566 with Android 11 system
- Supports maximum 4K60 HDMI output and 4K30 wireless encoding/decoding
- Handles up to 9 simultaneous display sources; up to 16 input sources
- Dual-band WiFi 6 (1200Mbps) and WiFi 5 (867Mbps); 50-meter range
- BYOM-ready: USB cameras, microphones, and speakers supported
- Multi-protocol support: AirPlay, Miracast, DLNA, and proprietary casting

Product Overview

The Macsys AIRCON-PLUS Wireless Screen Cast delivers seamless multi-device wireless display and smart classroom functions, powered by the Rockchip RK3566 platform and Android 11 system. Supporting up to 9 simultaneous display sources and versatile hardware interfaces, the device ensures effortless screen casting, extended desktop use, USB device connectivity, and robust WiFi 6 capabilities. With compatibility across iOS, Android, Windows, macOS, and HarmonyOS, it suits BYOM (Bring Your Own Media) teaching and collaboration settings. Features such as low latency mirroring, multi-screen support, and file transfer via QR code enhance classroom and meeting interactivity. Customization options for system interfaces and pre-installed productivity apps increase flexibility for users. Advanced control via host or Android app and multiple language options complete a highly adaptable solution

Techinical Specification

Featues	Detail
Main processor and OS	Rockchip RK3566 platform with Android 11
Central Processing Unit	Quad-core A55 at 1.8GHz
Graphics Processing Unit	Mali-G52-2EE at 800MHz
Memory & Storage	2GB RAM + 16GB flash storage
USB ports	TYPEA USB2.0 x 2, TYPEC USB2.0 x 1
HDMI output/input	HDMI2.0 OUTPUT x 1, HDMI1.4 INPUT x 1
Ethernet / Audio interfaces	Gigabit Ethernet x 1, 3.5mm analog audio x 1
HDMI output maximum resolution	Max 4K60
HDMI input maximum resolution	Max 1920x1080P60
Wireless transmission encoding formats	H264, H265
Wireless encoding/decoding capability	Max 4K30
Display/source screens support	Max 9 simultaneous, configurable 1/2/4/6/9 screens
Input sources	Max 16 simultaneous
Screen casting latency	Less than 150 milliseconds
Audio output	44.1KHz/16bit stereo (HDMI and 3.5mm audio)
Protocols supported	AirPlay, Miracast, DLNA; proprietary via ESHOW/USB/HDMI
Wireless hotspot	WiFi6 2T2R, up to 1200Mbps, 50m range, IEEE 802.11ax/ac/n
Wireless network card	WiFi5 2T2R, up to 867Mbps, 50m range, IEEE 802.11ac/n
Wired/wireless bridging	Supported
Bluetooth version	Bluetooth 5.0, file transfer supported
BYOM USB support	Cameras, microphones, speakers (via F21U/F11U TX)
Reverse touch control	10-point (Windows), single-point (MAC)
Host mode interface	Floating icon or Android Controller APP
Screen sharing & scan-to-cast	Supported
Auto-full screen and TV mirroring	Supported, up to 16 channels (720P)
Multi-screen mirroring	Main+8 screens, 1080P, reverse control
Smart EDU classroom functions	1 teacher + 8 student screens, broadcast (1080P)
File transfer (QR code)	Supported (Android phone/tablet to device)

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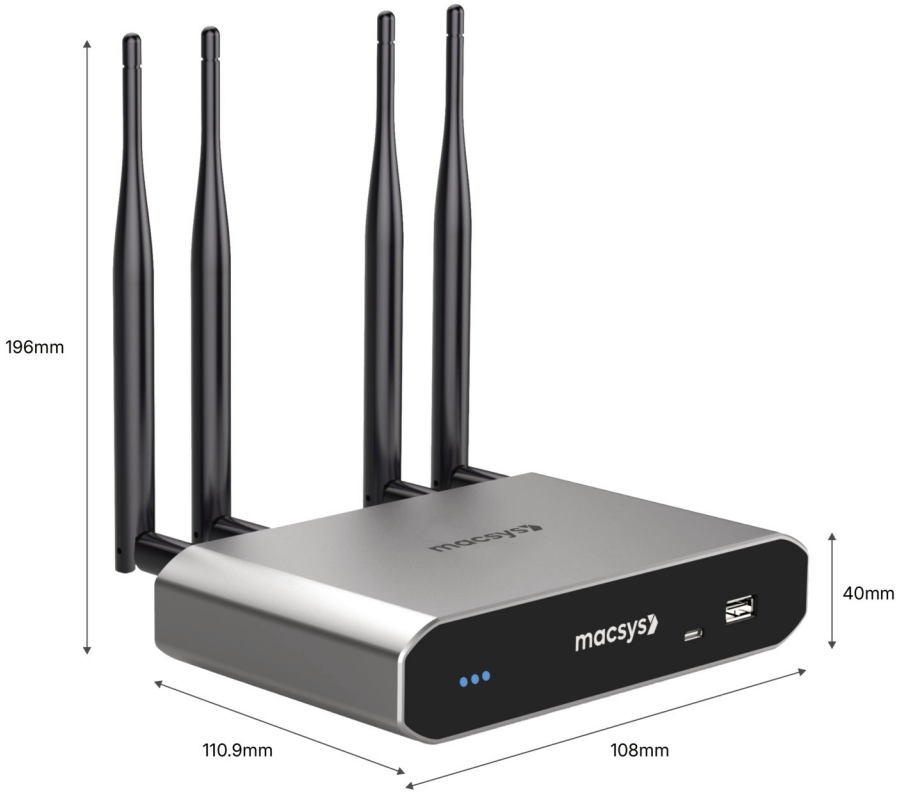
USB drive playback	Video playback up to 4K
Screen recording & scheduled reboot	Supported
Whiteboard and annotation	Supported
Third-party app installation	Supported, with pre-installed Chrome, WPS, QuickPic
Firmware/USB drive upgrade	Supported
System interface/main interface customization	Supported (including boot behavior)
Power input / consumption	12V/2A, average 6W (excl. external USB camera power)
Operating temperature range	+5°C to +40°C
Storage temperature range	-20°C to +60°C
Certifications	CE, RoHS compliance

Dimension



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