



# AVARAI WIRELESS PRESENTATION KIT PRO



# Product Introduction

Avarai WPK Pro is a commercial wireless presentation series product developed based on the embedded hardware architecture of Linux system. It allows you to share the contents from your mobile phone, tablet, laptop or other devices to projectors, large screens, and other display devices with just one click without any software installing or cables, it making screen sharing simple and efficient.

Avarai WPK Pro is mainly used for large and medium-sized business meetings, remote video conferences, multimedia education, and other scenarios which requires high-quality audio and video transmission. It supports 4k60 output and support maximum 9 screens shared simultaneously. With its lightweight, simple cabling, high-definition, and smooth projection experience, it provides a perfect and efficient interactive sharing experience for office use.



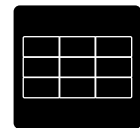
One-click sharing



multiple platform compatibility

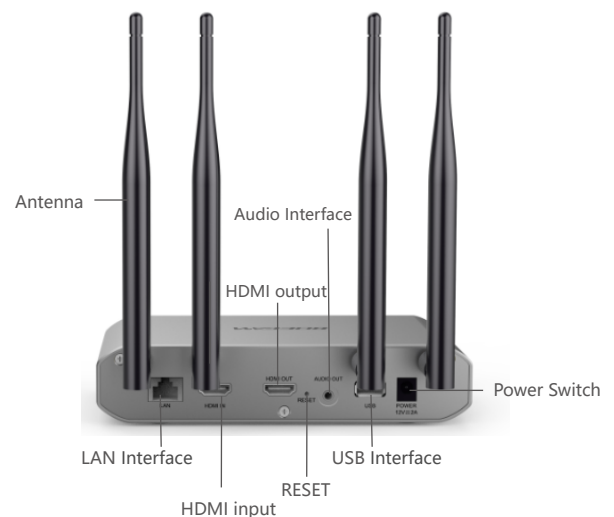
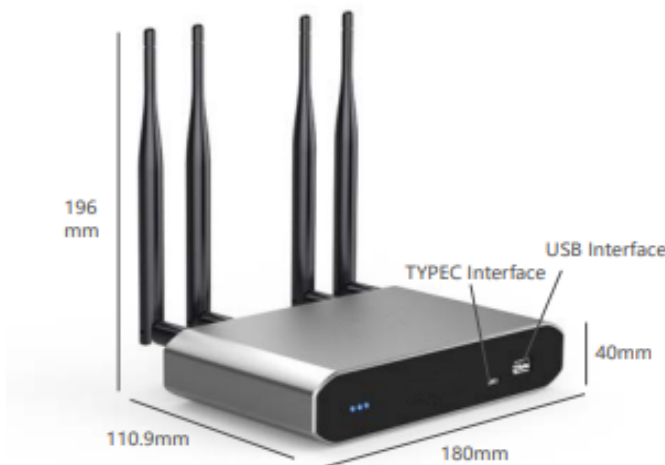


4K60Hz output

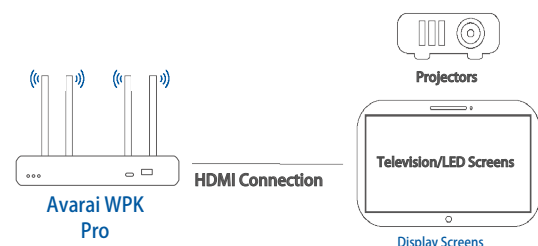
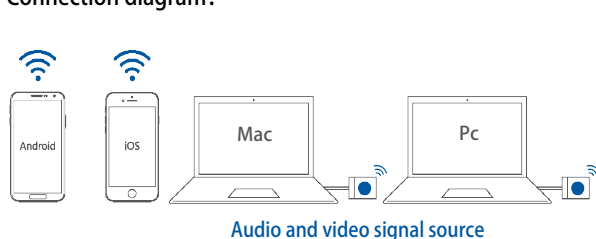


9 split screens

Product dimension diagram:



Connection diagram:

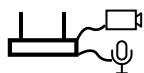


# Product Features



## Linux System

Linux embedded system, stable and reliable, supports uninterrupted 24/7 screencasting.



## BYOM Application

Supports BYOM applications, the screencasting host can connect to USB cameras, USB conference microphones, and speakers. Cameras and microphones are wirelessly transmitted back to the PC through WiFi, and PC audio is transmitted wirelessly to USB speakers.



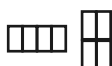
## Hdmi Input

HDMI 1.4 input, maximum support for 1920x1080P60 input, HDMI input can be directly looped out to HDMI output.



## 4K Airplay Screencasting

AirPlay screencasting resolution can reach 4K, and supports up to 9 AirPlay mirroring screencasts.



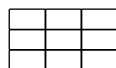
## Four-screen Mobile Display

Supports screencasting of up to 4 Android or Apple phones, horizontally displaying four screens or vertically displaying four screens, suitable for live broadcasting scenes.



## 4K Ultra-High Definition Output

HDMI 2.0 output, maximum support for 4096x2160P60 output, and can output 11 kinds of resolutions through the backend settings.



## Maximum 9 Split Screens

The same-screen display quantity can be set through the backend, supporting up to 9 screens displaying simultaneously. When there is only one screen, the clarity can reach 4K; when displaying 2-4 screens, the clarity of each screen can reach 1080P; when displaying 5-9 screens, the clarity of each screen can reach 720P.



## 50-meter Hotspot Wifi

The wireless transmission distance can reach 50 meters through WiFi, and the hotspot AP supports WiFi6 2T2R, with a transmission rate of up to 1200Mbps.



## Screens Touch Backl

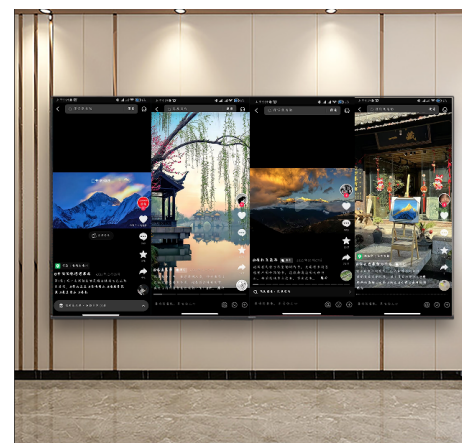
The screencasting host can plug a mouse or touch-screen to remotely control the screen of the screencasting computer, enabling efficient screencasting interaction and improving meeting efficiency.



## USB Playback

The screencasting host can plug a USB flash drive to automatically play videos and pictures in the flash drive when not screencasting, providing a richer way of corporate culture promotion.

# Applications



# Product Parameters

Category	Parameter	Describe
System Parameters	Factory Mode	Avarai WPK Pro
	Operating System	Linux
	Processor	Rockchip RK3566
	Cpu Parameters	A55 quad-core 1.8GHz
	Storage Configuration	2GB + 16GB
Hardware Interfaces	Video Output Interface	1HDMI2.0 with a maximum resolution of 4K60 and supports 11 resolution settings
	Video Input Interface	1*HDMI1.4 with a maximum resolution of 1920x1080P60
	Audio Output Interface	1*3.5mm analog audio interface
	Lan	1*RJ45
	Usb Host Interface	2*TYPEA USB2.0 1*TYPEC USB2.0
Audio And Video Parameters	Power Interface	12V/2A
	Split Screens(Maximum)	9
	Simultaneous Connections	64
	Display Clarity	maximum 4K resolution for a single display, maximum 1080P resolution for each display in 2-4 screen displays, and maximum 720P resolution for each display in 5-9 screen displays
	Display Ratio	uniform, 16:9, 16:10, and 4:3
	Video Decoding Capability	Supports H264 and H265, with a maximum resolution of 4K and maximum frame rate of 60 frames per second.
Wireless Transmission Parameters	Audio Output Capability	44.1KHz 16bit stereo sound, with both embedded HDMI audio output and 3.5mm analog audio output being able to output audio at the same time.
	Wifi Hotspot	WiFi6 2T2R
	Wifi Network Card	WiFi5 2T2R
	Protocol	802.11ax, 802.11ac和802.11n
	Distance	50m
	Wireless Frequency	Supports both 2.4GHz and 5GHz wireless signals, with the default frequency band set to 5GHz.
Screencasting Functions	Channel	It can be set to 20 channels in total, with 11 channels in the 2.4GHz frequency band and 9 channels in the 5GHz frequency band
	Screencast Delay	The average latency is less than 150ms
	Bridging	It supports both wireless and wired bridging
	Screencasting Source System	MAC, iOS, WIN, Android, and HarmonyOS
	Transmitter	USB transmitter, HDMI transmitter, and TYPEC transmitter
	Software Screencasting	WIN Sender, Android Sender
	Airplay	The maximum resolution is 4K, and the maximum number of screen mirroring is 9
	Wired Screencasting	The HDMI input can be looped out to HDMI output.
	Byom Application	Support USB camera feedback, USB microphone feedback, and USB speaker feedback
	Screen Touchback	Support
	USB Playback	Support loop playing of videos and images from USB flash drives
	Screencasting Code	Support
	Mobile Screencasting Dedicated Display Mode	Four-screen display mode in landscape and portrait orientation on mobile devices
	Extended Desktop Screencasting.	Support
	Automatic Full Screen	Support
Device Management		Support
	Multi-screen Same Display	Wireless multi-screen display, wired multicast multi-screen display, and RTSP multi-screen display
	Web Settings	Built-in web back-end
	Control Software	WIN controller
And Overall Machine Parameters	Host Mode	Android controller
	Power Consumption.	The average power consumption shall not exceed 6 watts (excluding power supply for external USB cameras and other devices)
	Size	The dimensions are 180mm x 40mm x 110.9mm (excluding external adhesive rod antenna).
	Temperature Range	Operating temperature range: +5°C to +40°C Storage temperature range: -20°C to +60°C
	Humidity	Operating and storage relative humidity range: 0% to 90% (non-condensing).

Note: The relevant data is for reference only, and the specific parameters are subject to the actual product. The technical parameters, functions, and specifications of this document are subject to change without prior notice. Our company reserves the right to interpret the relevant content in the document



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