iSEMC

Multimedia Player WP-576

WP Series

➤ INTRODUCTION

WP576 uses Rockchip RK3576 octa-core high-computing processor(Quad-Core Cortex-A72 + Quad-Core Cortex-A53), 8nm process technology , and main frequency up to 2.2GHz. It has excellent computing power and efficient energy consumption ratio, providing more powerful core support for high-performance computing and multi-tasking. It has 6TOPS super computing power NPU, supports dual-core collaborative work or independent work, and supports multi-tasking and multi-scenario parallel. Equipped with Android 14.0 system, it provides a safer and more stable system environment for the research and development of terminal equipment.
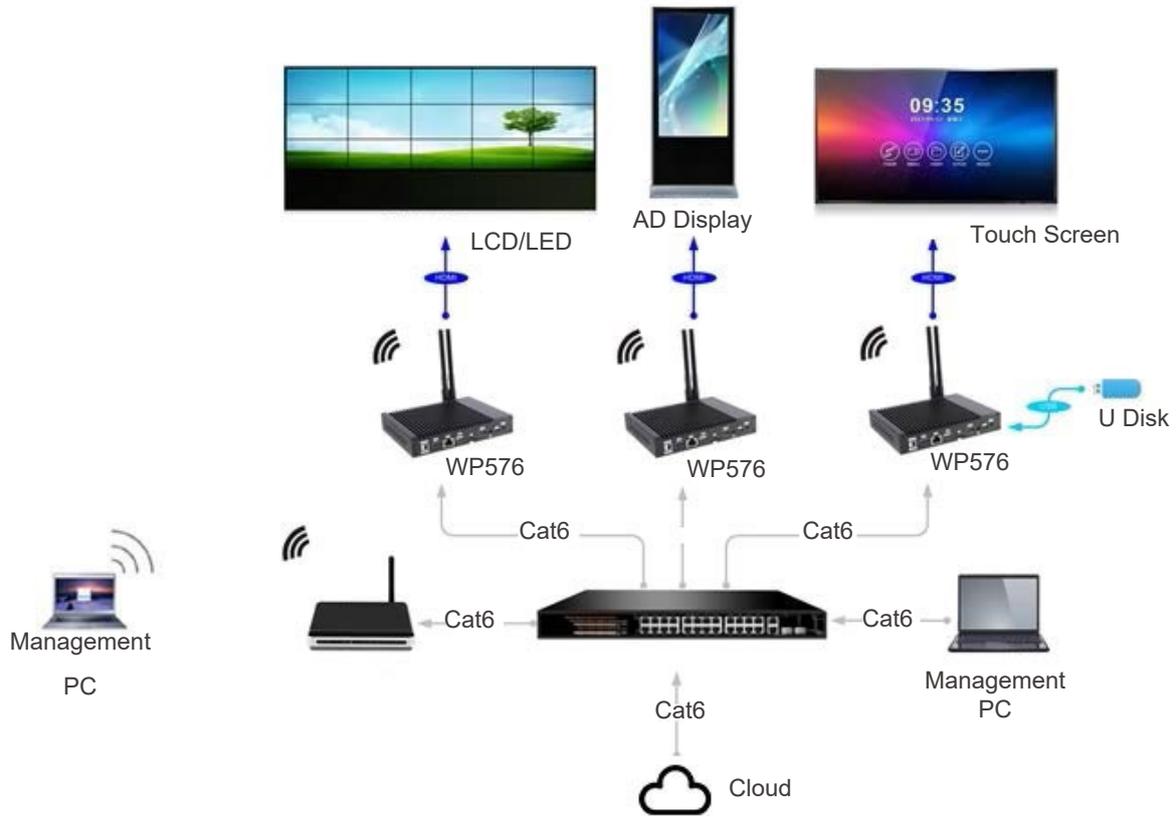
➤ FEATURES

- **High performance:** It adopts dual Cortex-A72+quad Cortex-A53 large and small core CPU structure, with a main frequency of up to 2.2GHz. It can play high-definition videos in various formats and handle complex interactive operations.It has 6TOPS super computing power NPU,
- **High stability:** In terms of hardware and software, unique technology is added to ensure the stability of the product, making the final product unattended 7*24 hours.
- **High integration:** The control panel integrates Ethernet, Wi-Fi, power amplifier, TF expansion card, USB expansion port, HDMI and other functions, which greatly simplifies the installation of the whole machine.
- **High definition:** Supports HDMI high-definition digital interface, directly connected to LCD display, supports cropped screens of various sizes and resolutions.
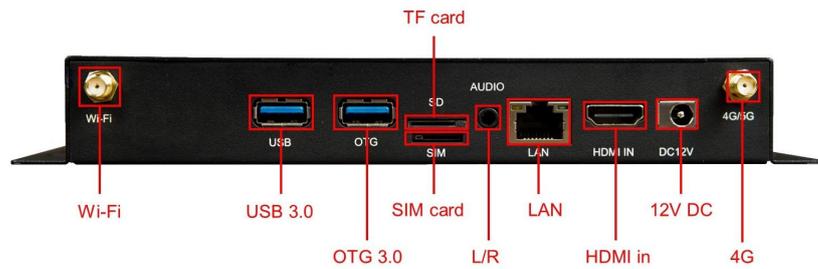

WP Series

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DIAGRAM

LCD/LED

AD Display

Touch Screen

U Disk

WP576

WP576

WP576

Cat6

Cat6

Management PC

Cat6

Cat6

Management PC

Cat6

Cloud

IR remote control reveiver

HDMI out

TF card

AUDIO

Wi-Fi

USB 3.0

SIM card

LAN

12V DC

Wi-Fi

OTG 3.0

L/R

HDMI in

4G

182.2

28

123.65

113.75

44.5

210.6

154.65
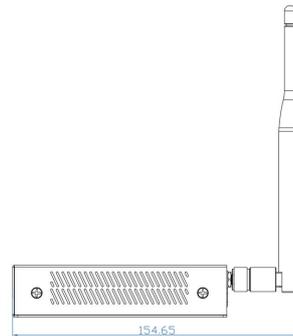
⟍ SPECIFICATIONS

1. Hardware

Hardware Specifications	
CPU	RK3576 Octa-core CPU, main frequency up to 2.2GHz
GPU	3D GPU fully compatible with 0penGLES1.1, 2.0 and 3.2, OpenCL up to 2.0 and Vulkan 1.1
NPU	RKNN NPU, 6TOPS computing power NPU
RAM/ Storage	Standard configuration: 2GB+32GB, 4GB+32GB, 4GB+64GB
Connection	Support Gigabit Ethernet; Equipped with Wi-Fi 6, 2.4GHz+5GHz, support Wi-Fi 802.11 b/g/n/ax protocol Supports Bluetooth 5.3
Image rotation	Support 0 degree, 90 degree, 180 degree, 270 degree manual rotation
Display interface	1 * HDMI interface output, support 4K@120Hz
Audio	Support standard 3.5mm TRS left and right channel audio output
RTC	Built-in real-time clock function
USB	1 * USB 3.0 HOST, 1 * USB or OTG
Button	1 * Recovery button
Power Adapter	Input: AC100-240V.50-60Hz, output: DC12V 1.5A (Requires that the surge voltage is less than 18V and the ripple voltage is less than 100mV)
Storage Humid	10%～90％ RH
Storage Temp	-40℃~70℃
Work Temp	-20℃~70℃

2. Software

Software Specifications	
Operating system	Android 14.0
Audio	MP3, WMA, WAV, APE, FLAC, AAC, OGG, M4A, 3GPP and other formats
Video	Support H.265, H.264, VP9, AVS2, AV1 and other video formats
Picture	Support JPG, BMP, PNG and other image formats
Built-in APP default	APK Installer, Email, Calculator, Browser, Voice Recorder, Calendar, Settings, Clock, Video Player, Search, Contacts, Gallery, Downloads, Camera, Music, Explorer, etc.
Language	Support multi-languages
Input method	Standard Android keyboard, optional third-party input method
System Management	Original ecological Android system, open root privileges, and can carry out product customization development
	Real-time remote monitoring, system crash self-recovery, 7*24 hours unattended
	Support OTA remote upgrade; support U disk upgrade
	Support boot animation definition
	Support server/standalone mode switching
	Support Wi-Fi hotspot
System watchdog	Support software watchdog, hardware watchdog

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