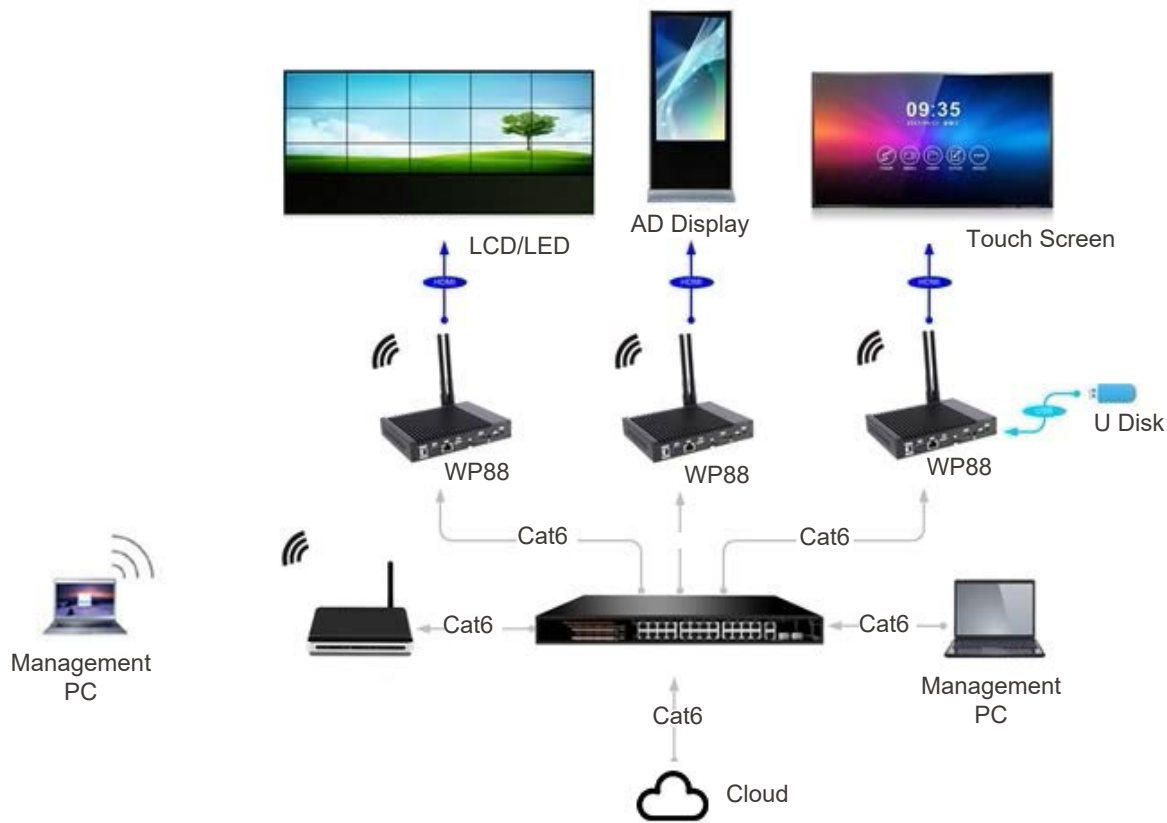# iSEMC

WP: Series
Multimedia Player

WP-88

INTRODUCTION

WP-88 is a well-built all-in-one motherboard, using Rockchip RK3288 quad-core chip solution, equipped with Android 7.1.2 system, the main frequency is up to 1.8GHz, with super performance. Adopts Mali-T764 GPU, supports AFBC (Frame Slow Slave Compression), 4K/H.265 hard decoding, 1080P video decoding, HDMI interface 4K output, 4K video playback. Supports infrared remote control, Wi-Fi, RJ45 and other rich interfaces to make the product more versatile. It is widely used in advertising, interactive all-in-one, security, medical, transportation, finance, industrial control and other intelligent control fields, which can accelerate Product development cycle. Due to its hardware platform and Android's intelligent characteristics, when it is necessary to perform human-computer interaction and network device interaction, it can be used on the smart terminal motherboard, which can become your best choice. M21 is standard with 2.4GHz frequency Wi-Fi module (optional 5GHz frequency)
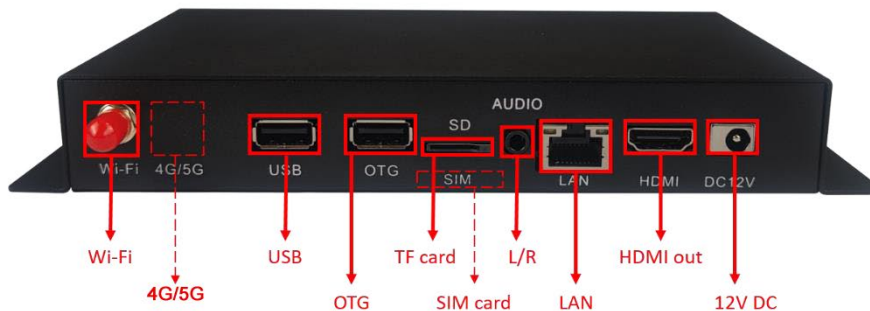
FEATURES

- High performance. RK3288 chip adopts quad-core ARM Cortex-A17 architecture, the main frequency can be as high as 1.8GHz, compared with common single-core, dual-core and quad-core solutions on the market. A qualitative leap in performance, capable of playing various formats of high-definition video screens, and capable of handling complex interactive operations
- High stability. The RK3288 Android integrated board adds its own unique technology to the hardware and software to ensure the stability of the product, so that the final product can be unattended for 7*24 hours.
- High integration. integrates functions such as Ethernet, Wi-Fi, power amplifier, TF expansion card, USB expansion port, HDMI, etc., which greatly simplifies the installation of the whole machine.
- High definition. Supports LCD display screens with HDMI interface, and supports cropping screens of various sizes and resolutions.

WP Series

iSEMC

LCD/LED

AD Display

Touch Screen

WP88

WP88

WP88

U Disk

Cat6

Cat6

Management PC

Cat6

Cat6

Cat6

Management PC

Cloud

IR remote control reveiver

AUDIO

SD

Wi-Fi   4G/5G   USB   OTG   SIM   LAN   HDMI   DC12V

Wi-Fi   USB   TF card   L/R   HDMI out

4G/5G   OTG   SIM card   LAN   12V DC

WP Series

iSEMC

iSEMC

1. Hardware

Specifications	
CPU	RK3288, Quad-core, the highest frequency 1.8GHz，Android 7.1.2
GPU	Mail-T764 GPU MP4 Quad-core GPU Supports OpenGL ES1.1/2.0,OpenVG1.1,OpenCL
RAM	DDR3, 2GB
Built-in storage capacity	eMMC 16GB (32/64 GB) TF Card expansion (can be used to expand SSD)
Connection	Support RJ45 100M Ethernet port and Ethernet. Support 2.4G Wi-Fi and Wi-Fi 802.11b / g / n protocol.
Image rotation	Support 0 degree, 90 degree, 180 degree, 270 degree manual rotation
Display interface	1 HDMI, 1.4 support 4K output
Audio	Support standard left & right channel line output
RTC	Built-in real-time clock function
USB	1USB-2.0 HOST, 1 USB2.0 or OTG
LED	1*power status LED(green),1*system LED(green blinking in default)
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℃

WP Series

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2. Software

Specifications	
Operating system	Android 7.1.2 (Optional Android 10.0)
Audio	MP3,WMA,WAV, APE, FLAC, AAC, OGG,M4A,3GPP, etc.
Video	Support H.264, VP8, MAV, WMV, AVS, H.263, MPEG4 and other video formats 1080P multi-video decoding
Image	Support various picture formats such as JPG, BMP, PNG
System comes with application software	APK installer, email, calculator, browser, recorder, calendar, settings, clock, video player, search, contacts, gallery, download, camera, music, explorer, etc.
Language	support multi-language
Typewriting	Standard Android keyboard, optional third-party input method
System Management	The original ecological Android system, open root permissions, can be customized product development
	Real-time remote monitoring, self-recovery of system crash, 7 * 24 hours unattended
	Support OTA remote upgrade; support U-disk upgrade
	Support boot animation definition
	Support server / standalone mode switch
	Support Wi-Fi hotspot
System watchdog	Support software watchdog

WP Series

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