

APC-15WR2

15.6" Applied Panel PC with Rockchip RK3568



Product Features

- 15.6" 1920 x 1080 Applied Panel PC with PCAP touch
- 4GB LPDDR4 / 64GB eMMC
- Fanless operation from 0°C ~ 40°C
- Rockchip RK3568 Arm Quad Cortex-A55, up to 2.0GHz
- True color LED indicating light bar
- Wide voltage input DC 12~24V and support Powered LAN (802.3at)

Specification

System Information

Processor Rockchip RK3568 Arm Quad Cortex-A55, up to 2.0GHz

System Memory 4GB LPDDR4

Storage

Storage 64GB eMMC

Other Storage Device 1 x Micro SD

Display

Graphic Chipset Mali-G52 support OpenGL ES 1.1/2.0/3.2, Vulkan 1.0/1.1, OpenCL 2.0

Audio

Speaker Output 2 x 4Ω 2.0W/2.2W(MAX)

Ethernet

LAN Chipset Realtek RTL8211F-CG

Ethernet Interface 10/100/1000 Base-Tx GbE compatible

Power Requirement

DC Input	+12V ~ +24V
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DC Input Connector	Lockable DC Jack
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Software Support

OS	Android 11 / Debain 11
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Certification

Certification Information	CE, FCC Class B
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Panel

LCD Size	15.6"
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LCD Panel	TFT
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Resolution	1920 x 1080
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Pixel pitch	0.17925 (H) x 0.17925 (V) mm
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Luminance	400 cd/m ²
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Contrast ratio	800
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Viewing angle	85 (U), 85 (D), 85 (L), 85 (R)
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Response time	30 ms
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Backlight	LED
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Touch Type	Projective capacitive multi-touch up to 10 points
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Touch Light Transmission	>85%
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External I/O

USB Port	2 x USB 3.0
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LAN Port	1 x RJ45
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COM Port	1 x RS232/485 (RJ45 Type)
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DC input	1 x DC Jack
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Other	1 x Power On/Off Touch key
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Internal I/O

Expansion	1 x M.2 Key B (3042, SATA3 / USB 2.0, support SSD/LTE Module)
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SIM Slot	1 x Micro SIM Slot
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System Control

LED Indicator	2 x Ture color light bar
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Data Collection

NFC	Support NFCIP-1, NFCIP-2, ISO/IEC 14443, ISO/IEC 15693, MIFARE and FeliCa
Camera	1 x 2.0MP Camera

Wireless Communication

WLAN	Optional Wi-Fi 802.11ac/a/b/g/n
Bluetooth	Optional BT 5.0

Mechanical & Environmental

Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)
Storage Temp.	-10°C ~ 60°C (14°F ~ 140°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	385 x 266 x 34 mm
Weight	1.5 kg
IP Rating	Front panel IP65
VESA	75 x 75
Power Requirement	DC 12~24V/Powered LAN (802.3at)
Power Mode	AT
System Fan	Fanless
Color	White
Construction	Plastic PC+ABS

Component

Adapter	Optional Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W adapter (12V @ 5A adapter) AC-DC adapter
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Ordering Information

Ordering Information	APC-15WR2-CW49-1R:APC-15WR2-4G/64G-Andriod 11 APC-15WR2-CW49-2R:APC-15WR2-4G/64G-Andriod 11 w/Adapter APC-15WR2-CW49H-1R:APC-15WR2-4G/64G-Andriod 11 w/Handset APC-15WR2-CW49H-2R:APC-15WR2-4G/64G-Andriod 11 w/Handset & Adapter
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Block Diagram

System Dimensions

Mechanical Drawing

I/O