

# 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 |
|----------|-------------|

|                    |                  |
|--------------------|------------------|
| DC Input Connector | Lockable DC Jack |
|--------------------|------------------|

## Software Support

|    |                        |
|----|------------------------|
| OS | Android 11 / Debain 11 |
|----|------------------------|

## Certification

|                           |                 |
|---------------------------|-----------------|
| Certification Information | CE, FCC Class B |
|---------------------------|-----------------|

## Panel

|          |       |
|----------|-------|
| LCD Size | 15.6" |
|----------|-------|

|           |     |
|-----------|-----|
| LCD Panel | TFT |
|-----------|-----|

|            |             |
|------------|-------------|
| Resolution | 1920 x 1080 |
|------------|-------------|

|             |                              |
|-------------|------------------------------|
| Pixel pitch | 0.17925 (H) x 0.17925 (V) mm |
|-------------|------------------------------|

|           |                       |
|-----------|-----------------------|
| Luminance | 400 cd/m <sup>2</sup> |
|-----------|-----------------------|

|                |     |
|----------------|-----|
| Contrast ratio | 800 |
|----------------|-----|

|               |                                |
|---------------|--------------------------------|
| Viewing angle | 85 (U), 85 (D), 85 (L), 85 (R) |
|---------------|--------------------------------|

|               |       |
|---------------|-------|
| Response time | 30 ms |
|---------------|-------|

|           |     |
|-----------|-----|
| Backlight | LED |
|-----------|-----|

|            |                                                   |
|------------|---------------------------------------------------|
| Touch Type | Projective capacitive multi-touch up to 10 points |
|------------|---------------------------------------------------|

|                          |      |
|--------------------------|------|
| Touch Light Transmission | >85% |
|--------------------------|------|

## External I/O

|          |             |
|----------|-------------|
| USB Port | 2 x USB 3.0 |
|----------|-------------|

|          |          |
|----------|----------|
| LAN Port | 1 x RJ45 |
|----------|----------|

|          |                           |
|----------|---------------------------|
| COM Port | 1 x RS232/485 (RJ45 Type) |
|----------|---------------------------|

|          |             |
|----------|-------------|
| DC input | 1 x DC Jack |
|----------|-------------|

|       |                            |
|-------|----------------------------|
| Other | 1 x Power On/Off Touch key |
|-------|----------------------------|

## Internal I/O

|           |                                                               |
|-----------|---------------------------------------------------------------|
| Expansion | 1 x M.2 Key B (3042, SATA3 / USB 2.0, support SSD/LTE Module) |
|-----------|---------------------------------------------------------------|

|          |                    |
|----------|--------------------|
| SIM Slot | 1 x Micro SIM Slot |
|----------|--------------------|

## System Control

|               |                          |
|---------------|--------------------------|
| LED Indicator | 2 x Ture color light bar |
|---------------|--------------------------|

## 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<br><br>Input: 100 ~ 240Vac/ 50 ~ 60Hz<br>Output: 60W adapter (12V @ 5A adapter) AC-DC adapter |
|---------|--------------------------------------------------------------------------------------------------------|

## Ordering Information

|                      |                                                                                                                                                                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ordering Information | APC-15WR2-CW49-1R:APC-15WR2-4G/64G-Andriod 11<br>APC-15WR2-CW49-2R:APC-15WR2-4G/64G-Andriod 11 w/Adapter<br><br>APC-15WR2-CW49H-1R:APC-15WR2-4G/64G-Andriod 11 w/Handset<br>APC-15WR2-CW49H-2R:APC-15WR2-4G/64G-Andriod 11 w/Handset & Adapter |
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