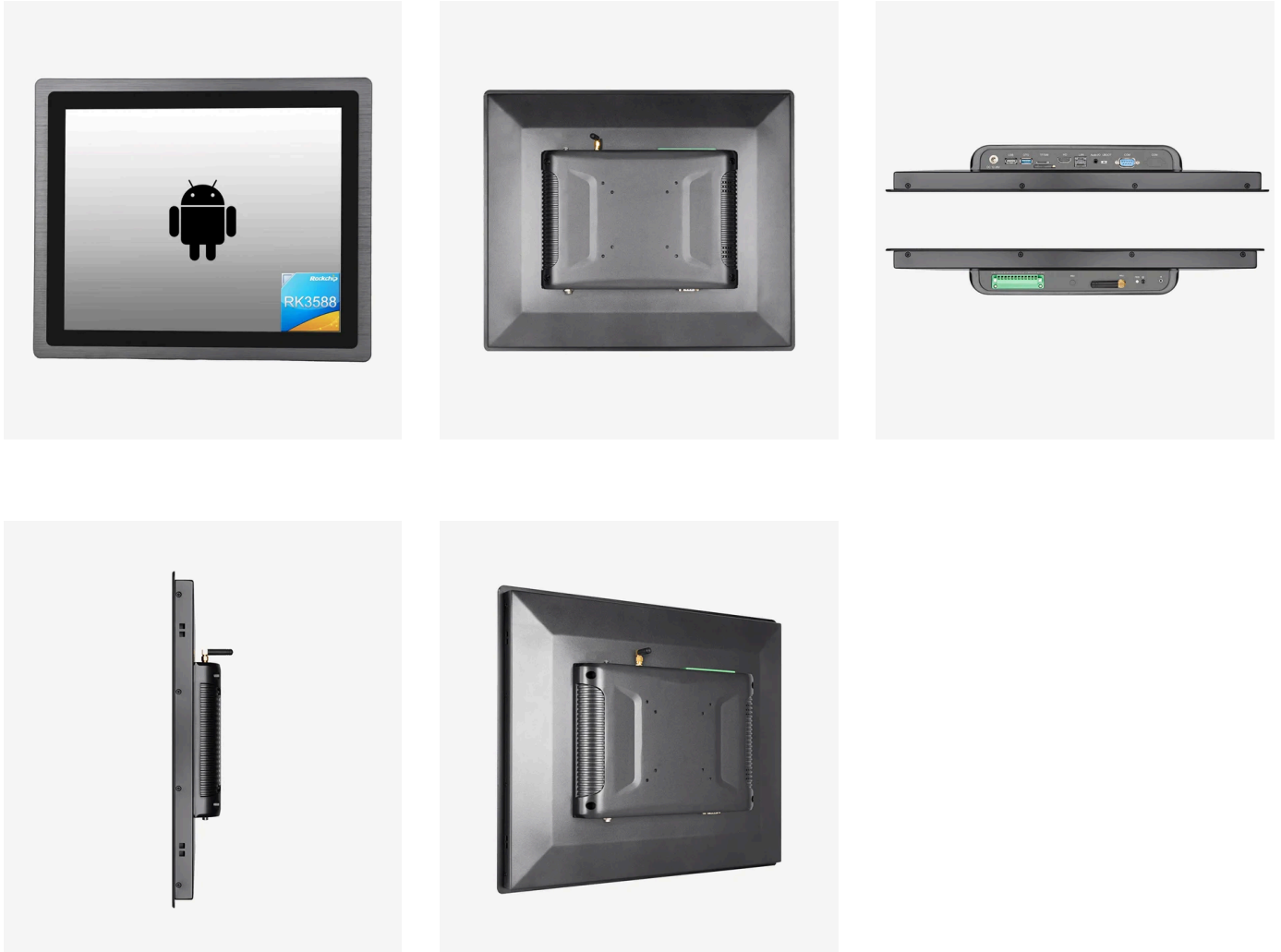


Panel-PC-A-A55-08-64-01-...-

Android Panel PC (4:3) with 8GB DDR4 RAM

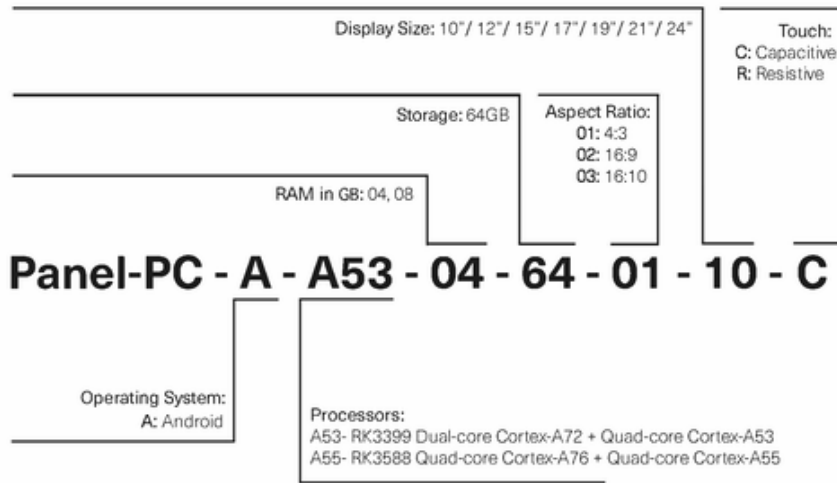


Panel-PC-A-A55-08-64-01-00-00 is an Android industrial panel pc with a capacitive 4:3 TFT LCD touchscreen and pre-installed Automation Browser. Power Supply 24V DC.

The Panel PC with a 4:3 aspect ratio, comes with a pre-installed Automation Browser and is designed to seamlessly connect controllers with their web server (e.g., CODESYS V3 web server). The setup and operation of the web browser are intuitive and straightforward. Equipped with integrated WiFi and Bluetooth interfaces, this device supports a wide range of applications. Its front panel is IP65-rated, and the aluminum housing provides a compact, robust design. The projected capacitive touch enables multi-touch functionality for smooth user interaction.

This 24V DC Panel PC series is powered by a high-performance Rockchip RK3588 Quad-core Cortex-A76 + Quad-core Cortex-A55 architecture, along with an ARM Mali-T860 MP4 GPU for enhanced graphical performance. It includes 8GB DDR4 RAM and 64GB eMMC storage, ensuring responsive and efficient operation. Connectivity options include onboard Wi-Fi, USB-OTG, TF/SIM, LAN, COM, Audio I/O, HDMI, and a 2-pin connector for power supply.

The WebPanels are available in display sizes ranging from 10" to 24", with the option of projected capacitive touch, offering versatility for various industrial and commercial applications. For more details on how to specify and order the exact product configuration, please refer to the naming convention image provided below.



ORDER DETAILS

Function: TFT LCD WebPanel, 24V DC power supply, Android 7.1/9.0/11/13, IP65 compact fanless housing, processor: Rockchip RK3588 Quad-core Cortex-A76 + Quad-core Cortex-A55 1.4GHz, Wi-fi
SKU/Order No.: SA-P-A-A55-08-64-01-...-



Technical Data

Certification

| | |
|---------------|----------------------|
| Certification | CE, FCC Class A, CCC |
|---------------|----------------------|

Ambient Condition

| | |
|---|--------------|
| Operating Humidity (non-condensing) | 10 ... 80% |
| Storage Humidity (non-condensing) | 10 ... 80% |
| Ambient Temperature (storage/transport) | -20 ... 75°C |
| Ambient Temperature (operating) | -10 ... 60°C |

Mechanical Data

| | |
|-----------------|----------------|
| Housing | Aluminum alloy |
| Bezel Thickness | 3mm |

Standards and Regulations

| | |
|--------------------|------|
| In Compliance With | IP65 |
|--------------------|------|

Input Data

| | |
|---------------------------|--|
| Power Consumption (max.) | Typical Consumption: 18W, Maximum Consumption: 48W |
| Ports | Coaxial power connector (5,5 x 2,5 mm): 12 ... 36 VDC, 1xPower SW, 1xSIM card slot, 1xTF/SD card slot, 1xHDMI, Ethernet: 1x 10/100/1000 BaseT(X) RJ45, 1x3.5mm Audio output interface, 1x RS-232 (RS-485/422), 12 Pin-Screw Connector: 1x RS-485, 1x RS-232, 1x CAN, 3x GPIO |
| Input Voltage Range DC | 12 ... 36 V DC |
| Nominal Operating Voltage | 24 V DC |

Interface

| | |
|-----------|------------------|
| USB Ports | 2x USB 3.0 Typ A |
|-----------|------------------|

Display Features

| | |
|--------------|------------|
| Aspect Ratio | 4:3 |
| Contrast | 1000:01:00 |

| | |
|-------------------------------|---|
| Display colors | 16.7M (8-bit) |
| View angle | 85/85/85/85 (L/R/U/D) |
| Luminance | 300 ... 1000 nits |
| Panel Type | Industrial A grade LCD with LED backlight |
| Response time | 5ms |
| Touch Screen | Default with 10-point capacitive touch |
| Touch Screen Surface Hardness | 7 Mohs |
| Touch Screen Transparency | 90% ($\pm 3\%$) |
| Assembly | Supports Panel-mount/Wall-embedded/Wall-mounted/Desktop/ Folding mounting/VESA mount/Suspended mounting, etc. |

System Hardware

| | |
|------------|---|
| Processor | Rockchip RK3588 Quad-core Cortex-A76 + Quad-core Cortex-A55 |
| OS Support | Android 7.1/9.0/11/13 |
| Memory | 8GB DDR4 RAM |
| Storage | Onboard 64GB eMMC NAND Flash |

IEEE Standards

| | |
|---------------|---------------|
| IEEE 802-11A | Wi-Fi 2 |
| IEEE 802-11B | Wi-Fi 1 |
| IEEE 802-11G | Wi-Fi 3 |
| IEEE 802.11N | Wi-Fi 4 |
| IEEE 802.15 | Bluetooth 5.2 |
| IEEE 802-11AC | Wi-Fi 5 |
| IEEE 802-11AX | Wi-Fi 6 |

Commercial Data

| | |
|-----------------------|----------|
| Customs Tariff Number | 84714100 |
|-----------------------|----------|