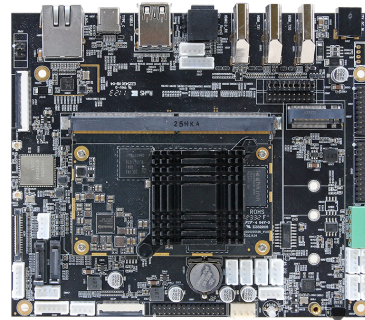


ACP-3588

Octa core Single Board Computer



Product Features

- Rockchip RK3588 quad-core Cortex-A76 and quad-core Cortex-A55 with main frequency up to 2.4GHz. support 4GB LPDDR4 RAM and 32GB eMMC.
- Supports a variety of peripheral interfaces such as M.2/SATA3.0/SPDIF/USB3.0/USB2.0
- Supports for GPIO / UART / SPI / I2C / RS232 and other extended interfaces.
- With a variety of video output interfaces, used with LVDS / EDP / HDMI/ MIPI for the display screen.
- Supports gigabit cable network port and supports 2.4G / 5G dual-frequency wifi and Bluetooth.

Specification

System Information

Processor RockChip RK3588

System Memory 4GB
LPDDR4 RAM

Storage

Storage 32GB eMMC

Software Support

OS Android 12.0

Certification

Certification Information CE, FCC

I/O

Expansion 2 x SATA 3.0
1 x M.2 Key M NGFF 75Pin

| | |
|----------------------|-------------------------------------------------------------------------------------------------------------|
| Communication | 2 x 20P pitch 2.0mm GPIO/UART/SPI/I2C 2 x I2C 4 x UART 1 x CAN |
| Display | 2 x HDMI 2.1 out 8Kp60 or 4Kp120 1 x LVDS 8K p 60 1 x EDP 4K p 60 |
| Video Input | 1 x MIPI DSI 1 x H DMI in 4K p 60 |
| Audio | 1 x 30P, pitch 0.5mm (microphone) 1 x SPDIF left and right stereo sound output 2P row seat |
| USB Port | 1 x USB Host 2.0 1 x USB Host 3.0 1 x USB OTG 2.0 (Type C) 2 x USB Host 2.0 (4P pitch 2.0mm 2.0mm) |
| Network | 1 x Ethernet RJ45,1000M |
| WIFI | 2.4G /5G dual-band WiFi 6 |

Characteristics

| | |
|------------------------|----------------------------|
| Board Structure | Core Board + Carrier Board |
|------------------------|----------------------------|

Mechanical & Environmental

| | |
|---------------------------|--------------------------------------------|
| Weight | TBD |
| Dimension (L x W) | 150 x 20 x 125mm |
| Storage Temp. | -10 ~ 70°C |
| Operating Humidity | 5% ~ 90% Relative Humidity, Non condensing |
| Operating Temp. | -5 ~ 65°C |
| Power Requirement | DC 12 V 2 A |