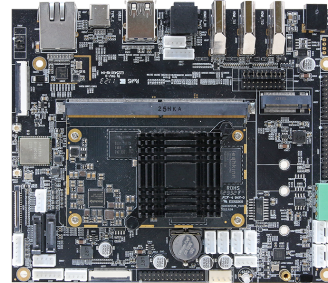


ACP-3588

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 Quad core Cortex A76 and Quad core Cortex A55 up to 2.4GHz
System Memory	4GB LPDDR4 RAM

Expansion

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

Storage	32GB eMMC
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Software Support

OS	Android 12.0
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Certification

Certification Information	CE, FCC
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I/O

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 array) 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)
Network	1 x Ethernet RJ45,1000M
WIFI	2.4G /5G dual band WiFi 6

Characteristics

Board Structure	Core Board + Carrier Board
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Mechanical & Environmental

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

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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