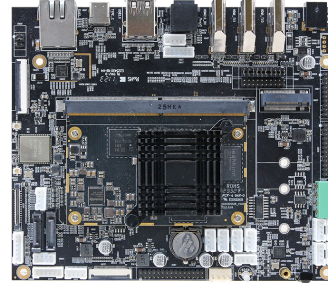# ACP-3588

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

Storage	
Storage	32GB eMMC

Software Support	
OS	Android 1 2 .0

Certification	
Certification Information	CE, FCC

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

Mechanical & Environmental	
Operating Temp.	-5 ~ 65℃
Storage Temp.	-10 ~ 70℃
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

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