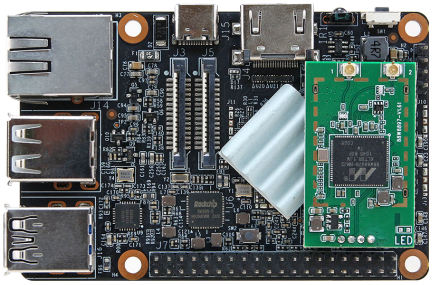
ACP-3566-PI

1.8" SBC, the Alternative of Rasberry Pi with a long lifecycle guarantee



Product Features

- Rockchip RK3566 with Quad-core Cortex-A55 up to 1.8GHz, 4GB RAM and onboard 32 GB eMMC
- Support 40P GPIO and can be configured as rich expansion interfaces such as RS232, GPIO, SPI and I2C. It also built-in Gigabit Ethernet port, supports Wi-Fi
- Long life cycle guarantee and sufficient supply
- Support HDMI 4K output display, MIPI-DSI and MIPI-CSI video input and output
- Small Size 85 mm * 55 mm

Specification

System Information	
Processor	RockChip RK3566 Quad-core Cortex-A55
System Memory	4 GB

Software Support	
OS	Linux Debian 10
AI SDK GitHub	https://github.com/Avalue-Technology/repositories.directory

Storage	
Storage	onboard 32 GB eMMC

Power Requirement	
DC Input	DC 5V / 3A via USB-C

Certification	
Certification Information	CE, FCC Class B

I/O

External I/O Connector	1 x 10/100/1000 RJ45 Powered LAN 1 x HDMI 2.0 Out 2 x USB Host 2.0 1 x USB OTG 2.0 1 x USB Host 3.0 1 x micro SD memory card slot (max 64 GB)
Internal I/O Connector	40 x GPIO pin header, GPIO, UART, I2C, SPI 1 x WIFI 802.11 a/b/g/n/ac 1 x MIPI CSI 1 x MIPI DSI
Network	1x Gigabit Ethernet
WIFI	2.4 GHz and 5.0 GHz IEEE 802.11b/g/n/ac wireless LAN, Bluetooth 4.0/5.0

Mechanical & Environmental

Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-40°C ~ 75°C (-40°F ~ 167°F)
Dimension (L x W)	85 x 55 mm
Weight	0.16 kg

Ordering Information

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