

<b>Basic</b>	
SOC	Rockchip RK3399Pro
CPU	Dual-core Cortex-A72+ Quad-core Cortex-A53 big.LITTLE core CPU architecture, frequency up to 1.8G Hz
GPU	ARM® Mali-T860 MP4 Quad-core GPU Support OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11 Support AFBC (frame buffer compression)
NPU	Built-in neural network processor NPU 1. Support 8bit/16bit operation, computing performance up to <b>3.0TOPS</b> . 2. Compared with using the traditional GPU as the large chip scheme of AI computing unit, the power consumption of NPU is merely 1% of that of GPU. 3. Load Caffe / Mxnet / TensorFlow models directly. 4. Provide AI development tools: Support model fast conversion, support end-to-side API, support TensorFlow / TF Lite / Caffe / ONNX / Darknet models. 5. Provide AI application development interface: Support Android NN API, provide RKNN cross-platform API, Linux support for TensorFlow development.
VPU	Support 4K VP9 and 4K 10bits H265/H264 video decoding, up to 60fps 1080P multi-format video decoding (WMV, MPEG-1/2/4, VP8) 1080P video coding, support H.264, VP8 format Video post processor,
RAM	3GB (NPU 1GB LPDDR3 + CPU 2GB LPDDR4) 6GB (NPU 2GB LPDDR3 + CPU 4GB LPDDR4)
Storage	High-speed eMMC 5.1 (16GB / 32GB / 64GB / 128GB) Support TF card expansion

<b>Hardware</b>	
Ethernet	1000Mbps Ethernet Interface (RJ45)
Wireless	2.4GHz / 5GHz Dual-band WiFi, 802.11a/b/g/n/ac Bluetooth 4.1 (BLE)
Display	- 1 x HDMI 2.0 , Support 4K@60HZ output and HDCP 1.4/2.2 - 1 x MIPI-DSI , Support single channel 1080P@60fps output or dual-channel LVDS 1920x1200@60fps output AIO-3399ProC defaults to dual LVDS) - 1 x eDP 1.3 ( 4 lanes with 10.8Gbps ) - Support dual-screen identical display/dual-screen differential display
Audio	1 x HDMI 2.0 Audio output 1 x Speaker Two-channel speaker (4Ω,10W / 8Ω, 5W) 1 x Headset output 1 x Mic Audio input
Camera	2x MIPI-CSI camera interfaces ( built-in dual-ISP, Maximum support single 13Mpixel or dual 8Mpixel )
USB	3xUSB2.0 Hub, 1 x USB3.0, 1xTYPE-C(OTG)
Interface	SPI×1, UART×2, Debug×1, RS485×1(CANx1 and RS485 share the same interface), RS232×1, ADC×1, TPx1, IRx1, I2C, PWM, GPIO
Power	12V DC input voltage

<b>Software</b>	
OS	Android 、 Linux + QT、 Ubuntu
Software	Provide AI development tools: Support model fast conversion, support end-to-side API, support TensorFlow / TF Lite / Caffe / ONNX / Darknet models. Provide AI application development interface: Support Android NN API, provide RKNN cross-platform API, Linux support for TensorFlow development.

<b>General</b>	
Dimension	138 mm × 91.3 mm
Heat Dissipation	Heat sink to hole distance 52mm (recommended <a href="#">C-type heat sink</a> )
Environment	Operating Temperature : -10°C ~ 60°C Storage Temperature: -20°C ~ 70°C Storage Humidity : 10% ~ 80 %





