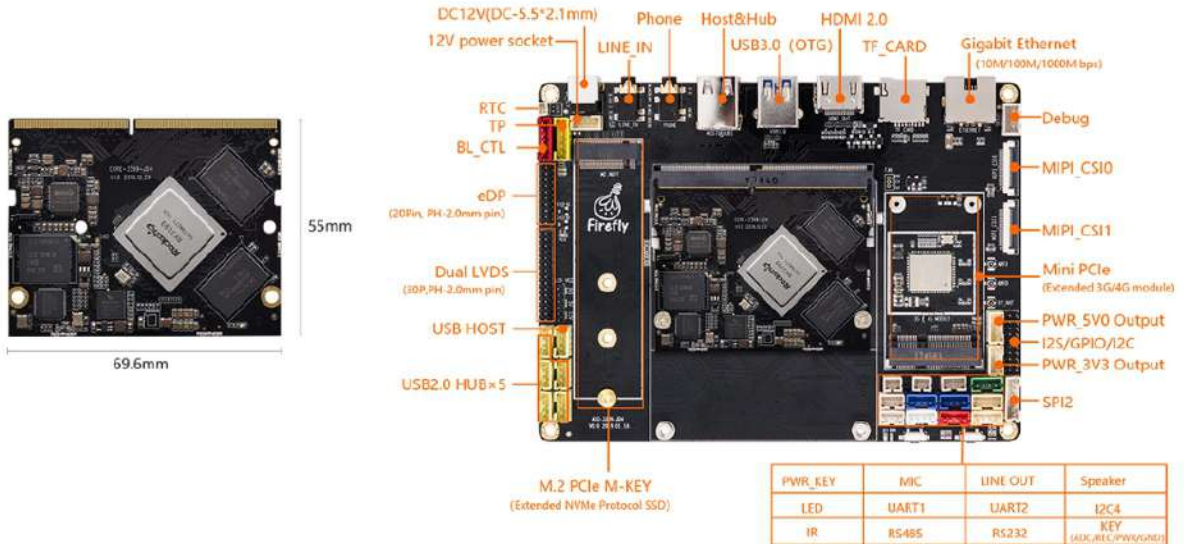


# Specification



Specification	Core-3399K-JD4	Core-3399-JD4
SoC	RK3399K (28 nm HKMG lithography process ) max frequency 2.0 GHz	RK3399 (28 nm HKMG lithography process ) . max frequency 1.8 GHz
CPU	ARM® 6-core 64-bit processor, based on big. LITTLE architecture, Dual-core Cortex-A72(big)+ Quad-core Cortex-A53(LITTLE)	
GPU	ARM® Mali-T860 MP4 quad-core GPU Supports OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11 Supports AFBC (Arm Framebuffer Compression)	
VPU	Supports 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, Supports H.264, VP8 format Video post-processing: IVTC, denoising, edge/detail/color optimization	
RAM	2GB LPDDR4 (2GB/4GB optional )	
NPU	Core-3399-JD4 (AI) onboard AI neural network processor SPR2801S Computing power up to 2.8 TOPS, peak up to 5.6Tops, 9.3Tops/W ultra-high efficiency Supports PyTorch, Caffe framework, follow-up support TensorFlow Supports for PLA model training tools (currently supports VGG-based GNet1, GNet18 and GNetfc network models)	
Ethernet	10 / 100 / 1000 Mbps Ethernet port (RJ45)	

Display	<ul style="list-style-type: none"> <li>- 1 x HDMI 2.0 , Supports 4K@60fps output and HDCP 1.4/2.2</li> <li>- 1 x MIPI-DSI , Supports single-channel 2560x1600@60fps output</li> <li>- 1 x eDP 1.3 ( 4 lanes with 10.8Gbps )</li> <li>- 1 x DP 1.2 (DisplayPort) , Supports 4K@60fps output</li> </ul> <p>Supports dual monitors with same or different displaying</p>	
Audio	<ul style="list-style-type: none"> <li>1 x HDMI 2.0 audio output</li> <li>1 x SPDIF digital audio port, for audio output</li> <li>2 x I2Sfor audio input and output</li> </ul>	
Camera	2 x MIPI-CSI camera port( built-in dual ISP, supports up to single 13Mpixel or dual 8Mpixel)	
USB	2 x USB2.0 Host, 1 x USB3.0, Type-C	
Interface	I2C, SPI, UART, ADC, PWM, GPIO, PCIe, USB3.0, I2S (Support 8-channel digital microphone array input)	
Power	DC input voltage 5V	
OS	Android , Linux	
Size	69.6mm × 55 mm	
Interface Type	Gold Finger (260 PIN, 0.5mm pitch)	
PCB	10 layer	
Operating Temperature	-20°C-70°C	-20°C-60°C
Storage Temperature	-20°C-85°C	-20°C-70°C