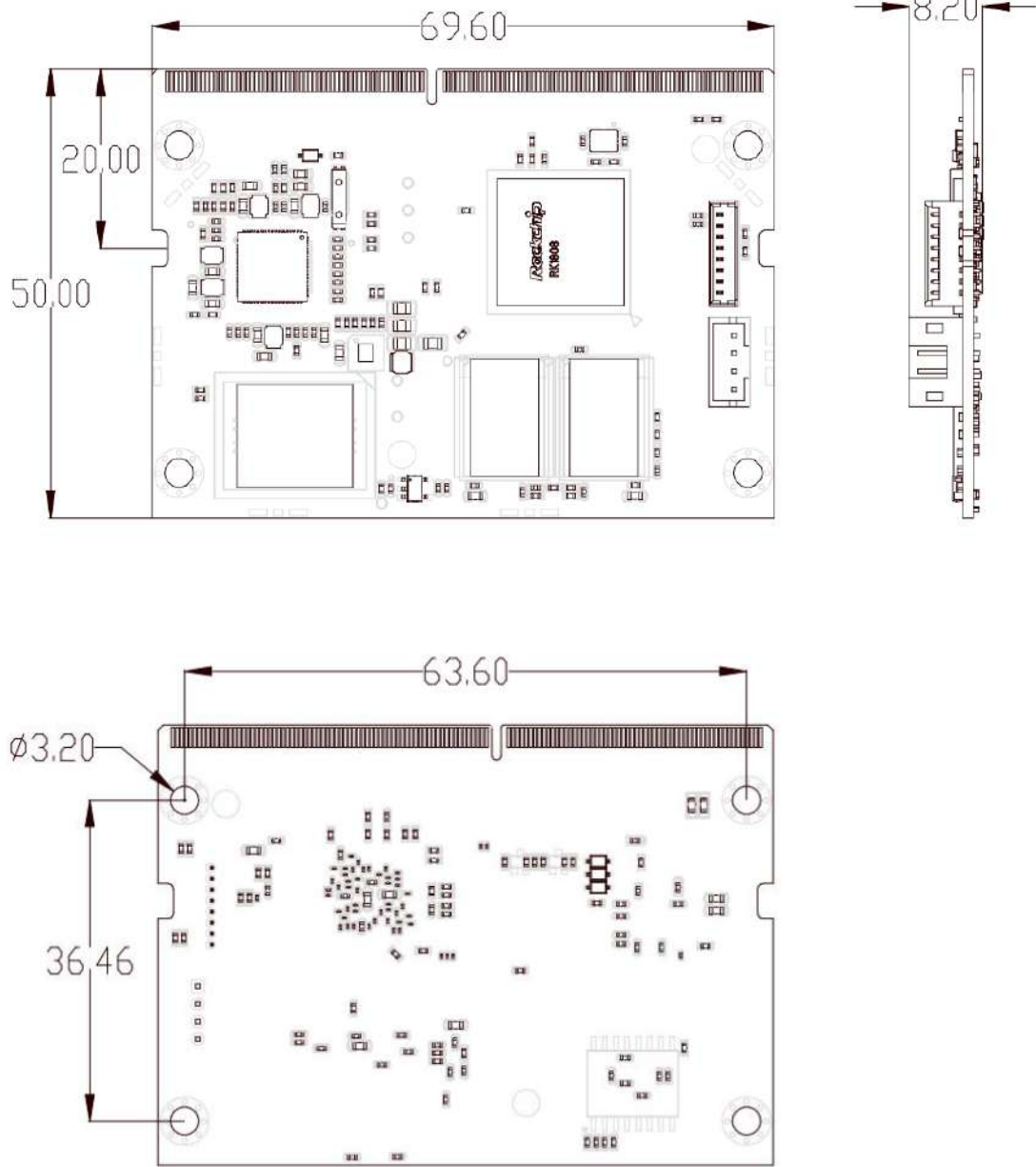


## 2. Specification

Specification	
SoC	Rockchip RK1808
CPU	Dual-Core Cortex-A35, up to 1.6GHz
NPU	Up to 3.0TOPs, support OpenCL/OpenVX, support INT8/INT16/FP16 support TensorFlow、Caffe、ONNX、Darknet
GPU	Support 2MP, AE/AWB/AF
VPU	1080p @ 60FPS H.264 decoding 1080p @ 30FPS H.264 encoding
RAM	1 GB DDR3 (2GB/4GBOptional)
Storage	8 GB high-speed eMMC 4.51 (16GB/32GB/128GB Optional) Support TF card expansion, support PCIe 2.1
Hardware Features	
Ethernet	10/100/1000Mbps Ethernet
WiFi	Extending WiFi & Bluetooth via SDIO3.0
Display	1 x MIPI-DSI, support single channel 1080P@60fps output 1 x RGB, 18-bit (RGB666) up to 1280x800@60fps
Audio	1 x I2S for audio input and output 1 x Headphone 1 x Speaker (8Ω, 1.3W) 2 x MIC
Camera	1x MIPI-CSI (built-in dual hardware ISP, support up to single 13Mpixel or dual 8Mpixel) 1xDVP
USB	1 x USB3.0 (multiplexed with PCEI) 、 1 x USB2.0
Other	Support USB3.0 / PCIe2.1 Built-in 1-ch & 8-ch I2S & 8-ch PDM, Built-in VAD 7 x UART、 3 x SPI、 5 x I2C、 10 x PWM、 4 x SARADC
OS/Software	
OS	Linux+QT
Appearance	
Size	69.6mm × 50 mm
Interface	Gold finger (SODIMM 260P , 0.5mm pitch)
PCB	8-layer board design

### 3. PCB Size



## 4. Interface definition

