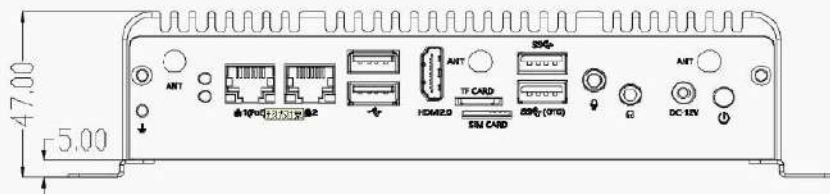
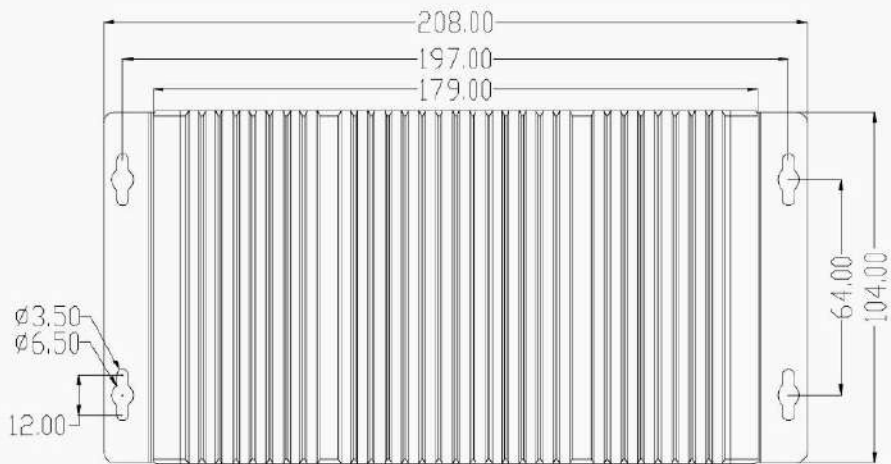


2. Specifications

| Basic Specifications | |
|-----------------------|--|
| SOC | RockChip RK3568 |
| CPU | Quad-core 64-bit Cortex-A55, 22nm lithography process, frequency up to 2.0GHz |
| GPU | ARM G52 2EE Support OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1 Embedded high-performance 2D acceleration hardware |
| NPU | 0.8Tops@INT8, integrated high-performance AI accelerator RKNN NPU Supports one-click switching of Caffe/TensorFlow/TFLite/ONNX/PyTorch/Keras/Darknet |
| VPU | Supports 4K 60fps H.265/H.264/VP9 video decoding Supports 1080P 60fps H.265/H.264 video encoding Supports 8M ISP, supports HDR |
| RAM | 2GB / 4GB / 8GB LPDDR4 32Bit, frequency up to 1600MHz, supports all-data-link ECC |
| Storage | 32GB / 64GB / 128GB eMMC Supports 2242 / 2280 NVMe SSD (M.2 PCIe 3.0) Supports 2.5" SSD/HDD(SATA 3.0) TF-Card Slot x1 (Supports TF card expansion) |
| Hardware Features | |
| Ethernet | Supports dual Gigabit Ethernet ports(1000 Mbps) Among them, LAN (PoE) port supports POE+ (802.3 AT, output power 30W) power supply Meets the needs of products with multiple network ports such as NVR and industrial gateway |
| WiFi | Supports M.2 to connect 5G, Mini PCIe to connect 4G LTE Supports 2.4G/5GHz Dual-band WiFi, 802.11 a/b/g/n/ac/ax, WiFi 6 Supports BT5.0 |
| Display | 1 × HDMI2.0, supports 4K@60fps output |
| Audio | 1 × HDMI audio output 1 × Earphone output 1 × Microphone onboard audio input |
| Interface | 2 × CANFD / CAN, 2 × RS232, 2 × RS485, 1 × M.2 PCIe3.0 (Expand with NVMe SSD) , 1 × SATA 3.0 (Expand with 2.5" SATA SSD/HDD) , 1 × M.2 Expand with 5G (or 1 × Mini PCIe Expand with 4G LTE) , 2 × USB3.0, 2 × USB 2.0, 1 × Phone, 1 × Mic |
| OS/Software | |
| OS | Supports Android 11.0, Ubuntu 18.04 OS |
| Others | |
| Size | 179 mm x 105.2 mm x 41.5 mm |
| Operating Temperature | -10°C ~ 60°C |
| Storage Temperature | -20°C ~ 70°C |
| Storage Humidity | 10% ~ 80 % |

3. Size



4. Interface definitions

