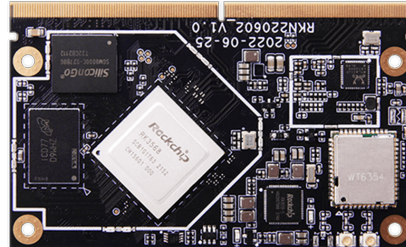


SMA-3568



Product Features

- Adapted with SMARC V2.1 standard
- Supports dual Gigabit Ethernet
- Supports 2 x USB 3.0 and 2 x USB 2.0
- Supports UART/SPI/I2C/GPIO/CAN interface
- Supports HDMI®, LVDS, MIPI CSI /MIPI DSI interface
- Supports 1 lane PCIe 2.1 and 2 lanes PCIe 3.0 interface
- Supports 4-bits SDIO 3.0 interface
- Supports Wi-Fi/BT function

Specification

System Information

Processor	Rockchip RK3568 Quad-core 64-bit Cortex-A55, 22nm lithography process, frequency up to 2.0GHz
NPU	1Tops@INT8, integrated high-performance AI accelerator RKNN NPU Supports one-click switching of Caffe/TensorFlow/TFLite/ONNX/PyTorch/Keras/Darknet
GPU	ARM G52 2EE Supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1 Embedded high-performance 2D acceleration hardware
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
System Memory	2GB / 4GB / 8GB LPDDR4

Storage

Storage	32GB / 64GB / 128GB eMMC
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I/O

External I/O Connector

Ethernet: *2 (Giga ethernet)
PCIe 2.1 *1(1 lane)
PCIe 3.0 *1(2 lanes)
USB2.0 *2
USB3.0 HOST *1
USB3.0 OTG *1
MIPI CSI *1(4 lanes)
MIPI DSI *1(DSI0 & DSI1)
HDMI®*1(HDMI®2.0)
LVDS *1(multiplex with DSI1)
Wi-Fi *1
GPIO *14 (or more)
SDIO *1
UART *6
SPI *2
I2C *4
CAN *1
I2S *1

Mechanical & Environmental

Power Requirement

POWER: 5V/2A

Dimension (L x W)

82*50 mm

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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