

ARM Chip Industrial IoT Gateway

Product Features



- Industrial-grade fanless IoT gateway
- Supports ARM ROCKCHIP SoC RK3568 quad-core CPU
- Supports 2 × USB 2.0, 2 × USB 3.0 (optional)
- Supports Gigabit LAN port and Gigabit fiber network
- Supports asynchronous dual display (HDMI + HDMI) optional
- Supports auto power-on function and HDMI input function (optional)
- Supports Android 11, Ubuntu / Debian system
- Complies with CE, FCC and RoHS standards



Specifications

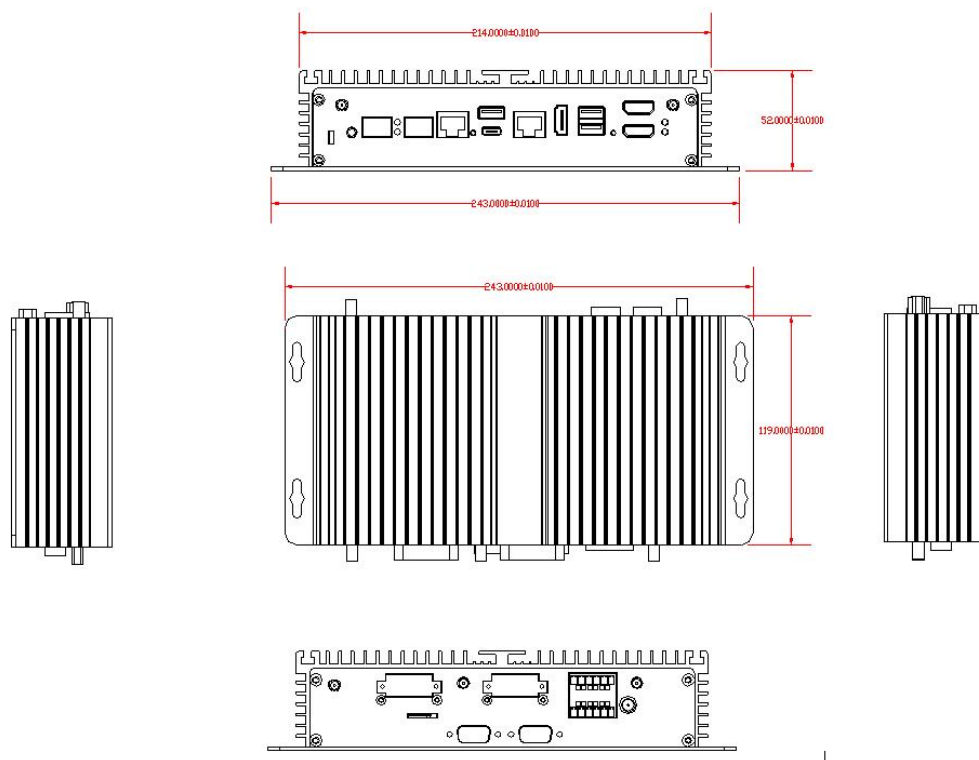
Processor	CPU	ARM series ROCKCHIP RK3568 quad-core 2.0GHz
	NPU	
	Chipset	0.8Tops SOC
Memory	Capacity	2GB SO-DIMM DDR4 2166 MHz memory , Max.4GB
Storage	EMMC	16G, Max.64GB
	TF Card	Supports 64G
	M.2	Supports 128G
	SATA	Supports 1-6 groups of SATA
Display	Chipset	CPU integrated HD Graphics

	Output	HDMI + HDMI single display, dual display (synchronous / asynchronous display) 1 × HDMI (maximum supported resolution: 3840x2160) 1 × HDMI (maximum supported resolution: 1920x1080)
	Input	1 × HDMI IN (maximum supported resolution: 1920x1080)
Function	MINI PCIE COM □ LVDS Amplifier GPIO CAN	1X MINI PCIE(3G/4G) 2X RS232+1X RS485 (optional) 1X LVDS 5W 1 × 4-in / 4-out GPIO 2 X CAN
Network	Network WIFI	1 × 10/100/1000M electrical Ethernet (2 groups of RJ45 LAN optional) 1 × 10/100/1000M fiber optic (2 groups of fiber optic network optional) 1 × AP6398SV Fn-Link WIFI 2.4G / 5G dual-band + BT (optional) / WIFI 6 (6275S) optional
I/O	USB 2.0 USB 3.0 IR Power button Reset CAN LED Light DC JACK Audio	2× USB2.0 (up to 3 groups supported) 2x USB3.0 (up to 4 groups optional) 1X IR infrared 1 × power button 1 × upgrade 1 × CAN 1 x LED indicator 1 × DC JACK 1 × LINE-OUT & MIC-IN
Power	Input Rated Power Consumption	DC 12~19V 20W
Physical Parameters	Dimensions	214mm (L) x 119mm (W)x52mm(H)
Environment	Temperature Humidity	Operating temperature: 0°C ~50°C Storage temperature: -20~70°C 5%~90%, non-condensing
Operating System	Version	Android 11/ubuntu/ Linux

Ordering Information

Sales Model	Description
AOS-SER35216GB	RK3568 2.0GHz 2G Memory 16G EMMC
AOS-SER35416GB	RK3399 2.0GHz 4G Memory 16G EMMC
AOS-SER35432GB	RK3399 2.0GHz 4G Memory 32G EMMC

Dimension Drawing



Application Fields

Suitable for education, restaurants, hotels, shopping malls, corporate meetings, government information disclosure, and other fields.