

特点:

- 支持 Nvidia Jetson AGX Orin 系列核心板, 算力最高达 275TOPS
- 标配 5 个独立 GbE 和 1 个 10GbE RJ45 接口
- 3 个 USB 10Gbps 和 5 个 USB 5Gbps Type-A 接口
- 默认 4 个 RS232/RS485, 2 个 CAN FD, 8 个隔离 DIO
- 可选配支持 8 个 GMSL2 相机
- 支持 Wi-Fi、BT、4G/5G 等无线、移动网络扩展
- 智能风扇主动式散热
- 12~28V 直流宽压供电



远程管理



状态监控



远程运维



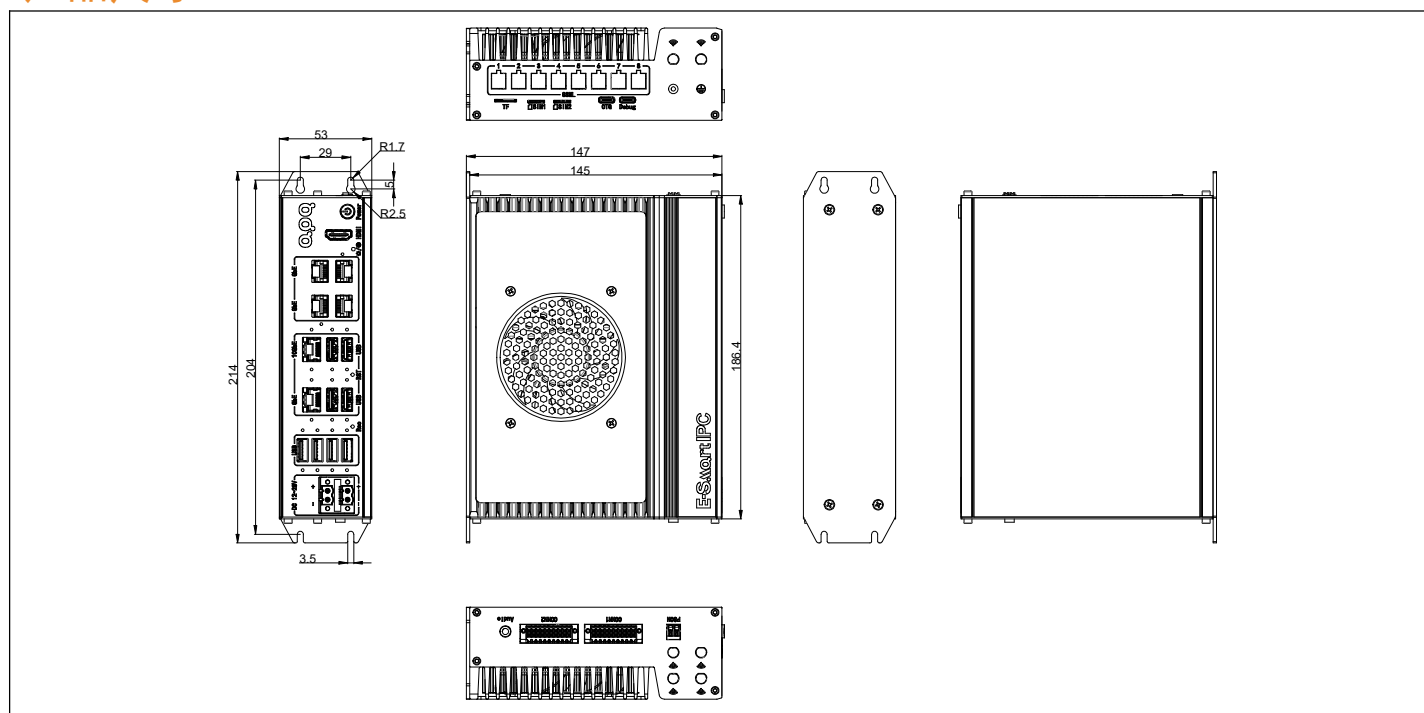
安全控制

产品规格

Model		AK4100A6			
Core Modules		Jetson AGX Orin 32GB, 200 TOPS		Jetson AGX Orin 64GB, 275 TOPS	
Ethernet	Wired Module	1 * Marvell® AQR113C, 10/100/1000/2500/5000/10000 Mbps			
		1 * Marvell® 88E1512, 10/100/1000 Mbps			
		4 * Intel® i210-AT, 10/100/1000 Mbps			
Storage	M.2	1 * M.2 Key-M Slot (NVMe SSD, 2280)			
	TF	1 * TF Card Slot			
Expansion Slots	M.2	1 * M.2 Key-B Slot (USB 5Gbps + USB 2.0, 3052, with 1 * Nano SIM Card Slot)			
	Mini PCIe	1 * Mini PCIe Slot (PCIe x1 + USB 2.0, with 1 * Nano SIM Card Slot)			
Front I/O	Ethernet	1 * 10GbE (RJ45)			
		5 * GbE (RJ45)			
	USB	3 * USB 10Gbps (Type-A)			
		5 * USB 5Gbps (Type-A)			
	Display	1 * HDMI: Resolution up to 4096*2304@30Hz (Type-A)			
	LED	1 * System Status LED			
	Button	1 * Power Button + Power LED			
		1 * System Reset button			
Side I/O	Power Input	1 * System Recovery button			
	OTG	1 * Power Input (4P, P=5.00/5.08, Terminal Block)			
	Debug	1 * USB 2.0 (Type-C, Flashing Port)			
	PSON	1 * USB 2.0 (Type-C, Debug Port)			
	TF	1 * PSON (Pluggable Terminal Blocks)			
	SIM	1 * TF Card Slot			
	Audio	2 * Nano SIM Card Slots			
	Serial	1 * 3.5mm Jack (MIC + Line Out)			
	CAN	4 * RS232/485 (Jumper Switch, Terminal Blocks)			
	GPIO	2 * CAN FD (Terminal Blocks)			
		4 * DI (Isolated Digital, Range 3.3~24VDC, NPN&PNP, Terminal Block)			
		4 * DO (Isolated Digital, Range 3.3~48VDC, Max 0.5A per, Terminal Block)			
		1 * SYNC_IN (Isolated Digital, Terminal Block)			
	Sync	1 * SYNC_OUT (Isolated Digital, Terminal Block)			
		1 * PPS_SYNC (Isolated Digital, Terminal Block)			
Internal I/O	Front Panel	1 * Front Panel (Power + Reset + Recovery, wafer)			
	FAN	1 * System Fan (wafer)			
	GPIO	4bit DIO (OS Configurable DI/DO and H/L, wafer)			
	Serial	2 * RS232/485 (Jumper Switch, wafer)			
		1 * TTL (wafer)			
	IIC	1 * IIC (wafer)			
	SPI	1 * SPI (wafer)			
	Speaker	1 * Amplifier, 5-W (per channel) into a 8-Ω Loads (wafer)			
CSI	16 lanes MIPI CSI-2 (Optional expansion of 8 * GMSL2 camera interfaces (FAKRA-Z), wafer)				
Power Supply	Type	AT/ATX			
	Power Input Voltage	12 ~ 28V DC			
	Connector	1 * Power Input Connector (4P, P=5.08mm, Terminal Block)			
	RTC Battery	CR2032 Coin Cell			

OS Support	Linux	Jetpack6.2 (Ubuntu22.04)
	Enclosure Material	Radiator/Box: Aluminum alloy, Top/Bottom Cover: SGCC
Mechanical	Dimensions	53mm(L) * 145mm(W) * 186.4mm(H) (Mounting Hardware Not Included)
	Mounting	Ear Mounting, DIN Rail Mounting (Shipping Option)
Environment	Heat Dissipation System	Active Fan Cooling
	Operating Temperature	-20~60℃ (Industrial SSD)
	Storage Temperature	-40~80℃ (Industrial SSD)
	Relative Humidity	10 to 95% RH (non-condensing)
	Vibration During Operation	3Grms@5~500Hz, random, 1hr/axis (IEC 60068-2-64, Industrial SSD)
	Shock During Operation	10G, half sine, 11ms (IEC 60068-2-27, Industrial SSD)

产品尺寸



产品 I/O

