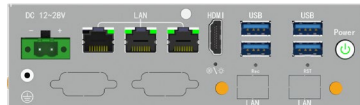
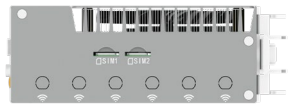



特点:

- 支持 NVIDIA® Jetson™ Orin Series SO-DIMM 连接器核心板
- 支持 Super mode, 最高可达 157TOPS 算力
- 支持 3 个独立 GbE、4 个 USB 5Gbps
- 可选 16bit GPIO、4 个 RS232/RS485 可配置 COM
- 支持 5G/4G、Wi-Fi+BT 功能扩展
- 支持 DC 12~28V 宽压输入
- 超紧凑设计, 全金属高强度机身
- 支持挂耳、DIN 安装



远程管理



状态监控



远程运维

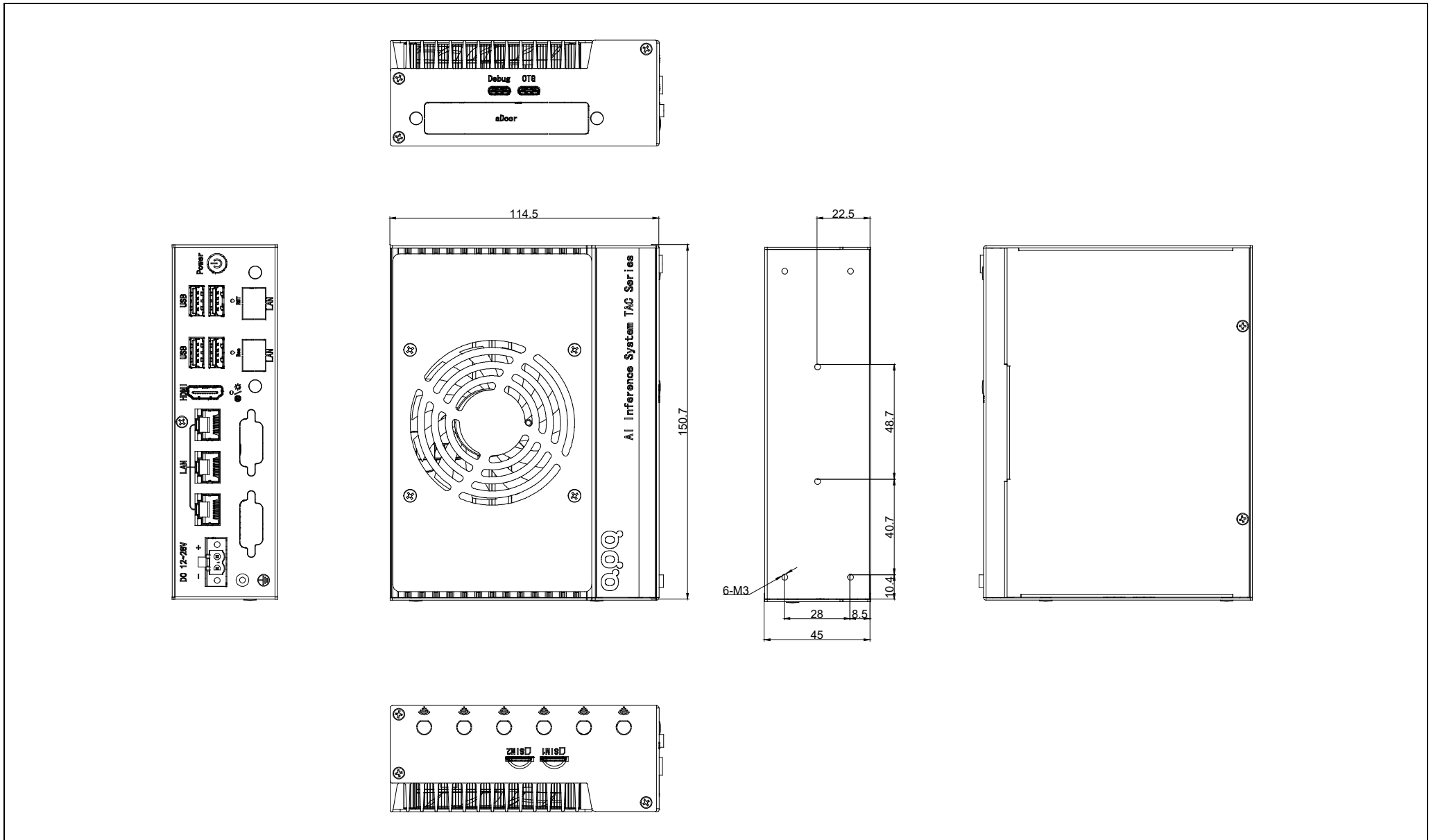


安全控制

产品规格

Model	TAC-3000 Pro				
	SOM	Orin Nano 4GB	Orin Nano 8GB	Orin NX 8GB	Orin NX 16GB
Processor System	AI Performance	20 TOPS / 34 TOPS (Super)	40 TOPS / 67 TOPS (Super)	70 TOPS / 117 TOPS (Super)	100 TOPS / 157 TOPS (Super)
	GPU	512-core NVIDIA Ampere architecture GPU with 16 Tensor Cores	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores	
	GPU Max Frequency	625 MHz / 1020 MHz (Super)		765 MHz / 1173 MHz (Super)	918 MHz / 1173 MHz (Super)
	CPU	6-core Arm® Cortex® A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3		6-core Arm® Cortex® A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3	8-core Arm® Cortex® A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3
	CPU Max Frequency	1.5 GHz / 1.7 GHz (Super)		2 GHz / 2 GHz (Super)	
	Memory	4GB 64-bit LPDDR5 34 GB/s / 4GB 64-bit LPDDR5 51 GB/s (Super)	8GB 128-bit LPDDR5 68 GB/s / 8GB 128-bit LPDDR5 102.4 GB/s (Super)	8GB 128-bit LPDDR5 102.4 GB/s	16GB 128-bit LPDDR5 102.4 GB/s
	TDP	MAXN 10W / 25W (Super)	MAXN 15W / 25W (Super)	MAXN 20W / 40W (Super)	MAXN 25W / 40W (Super)
Ethernet	Controller	1 * GbE LAN Chip (LAN signal from System-on-Module), 10/100/1000 Mbps 2 * Intel® i210-AT, 10/100/1000 Mbps			
Storage	M.2	1 * M.2 Key-M (NVMe SSD, 2280)			
Expansion Slots	Mini PCIe	1 * Mini PCIe Slot (PCIe x1 + USB 2.0, with 1 * Nano SIM Card)			
	M.2	1 * M.2 Key-E Slot (PCIe x1 + USB 2.0, 2230)			
	M.2	1 * M.2 Key-B Slot (USB 5Gbps + USB 2.0, 3052, with 1 * Nano SIM Card)			
Front I/O	Ethernet	3 * GbE (RJ45)			
	USB	4 * USB 5Gbps (Type-A)			
	Display	1 * HDMI, Max resolution up to 4096*2304@30Hz (Type-A)			
	Button	1 * Power Button + Power LED 1 * System Reset button 1 * System Recovery button			
	LED	1 * System Status LED			
	Power Input	1 * Power Input (2P, P=5.00/5.08, Terminal Block)			
Side I/O	OTG	1 * USB 2.0 (Type-C, Flashing Port)			
	Debug	1 * USB 2.0 (Type-C, Debug Port)			
	SIM	2 * Nano SIM			
Internal I/O	Serial	4 * RS232/RS485 (wafer, Jumper Switch) 1 * TTL (wafer)			
	CAN Bus	2 * CAN FD (wafer)			
	GPIO	1 * 16 bits DIO (wafer)			
	Audio	1 * Audio (Line-Out + MIC, wafer) 1 * Amplifier, 5-W (per channel) into a 8-Ω Loads (wafer)			
	USB	2 * USB 2.0 (wafer)			
	CSI	8 lanes MIPI CSI-2 (Optional expansion of 4 * GMSL2 camera interfaces (FAKRA-Z), wafer)			
	FAN	1 * System Fan (wafer)			
	BAT	1 * BAT (wafer)			
	Front Panel	1 * Front Panel (Power + Reset + Recovery, wafer)			
Power Supply	Type	AT/ATX			
	Power Input Voltage	12~28V DC			
	Connector	Terminal block, 2Pin, P=5.00/5.08			
	RTC Battery	CR2032 Coin Cell			
OS Support	Linux	Jetpack 6.2 (Ubuntu 22.04)			
Mechanical	Enclosure Material	Radiator: Aluminum alloy, Box: SGCC			
	Dimensions	150.7mm(L) * 114.5mm(W) * 45mm(H) (Mounting Hardware Not Included)			
	Mounting	Ear Mounting, DIN Rail Mounting (Shipping Option)			
Environment	Cooling System	Active Fan Cooling			
	Operating Temperature	-20~60°C (Industrial SSD)			
	Storage Temperature	-40~80°C (Industrial SSD)			
	Relative Humidity	10 to 95% (non-condensing)			
	Vibration	3Grms@5~500Hz, random, 1hr/axis (IEC 60068-2-64, Industrial SSD)			
Shock	10G, half sine, 11ms (IEC 60068-2-27, Industrial SSD)				

产品尺寸



产品 IO

