



Features:

NVIDIA® Jetson™ Orin Series SO-DIMM

Super mode, up to 157TOPS

3*GbE、4*USB 5Gbps

16bit GPIO、4*RS232/RS485

5G/4G,WiFi +BT expansion

Wide-range DC 12~28V power input

Ultra-compact design, full-metal high-strength chassis

Supports ear mounting & DIN-rail mounting

Remote Management

Condition Monitoring

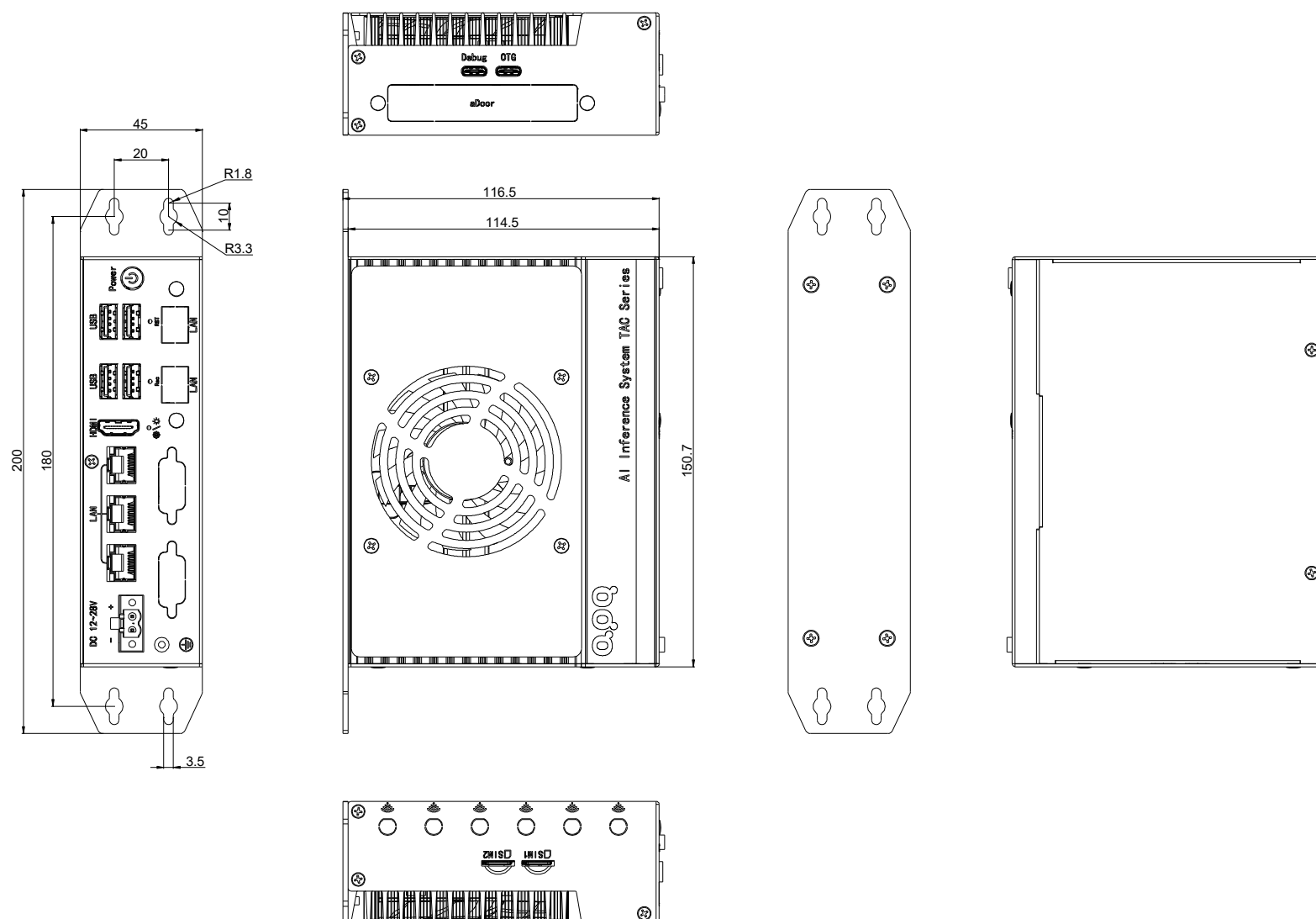
Remote Operation And Maintenance

Safety Control

Product Specification

Model	TAC-3000 Pro				
Processor System	SOM	Orin Nano 4GB	Orin Nano 8GB	Orin NX 8GB	Orin NX 16GB
	AI Performance	20 TOPS / 34 TOPS (Super)	40 TOPS / 67 TOPS (Super)	70 TOPS / 117 TOPS (Super)	100 TOPS / 157 TOPS (Super)
Ethernet	Controller	1 * GBE LAN Chip (LAN signal from System-on-Module), 10/100/1000 Mbps			
Storage	M.2	2 * Intel® i210-AT, 10/100/1000 Mbps			
		1 * M.2 Key-M Slot (NVMe SSD, 2280)			
Expansion Slots	Mini PCIe	1 * Mini PCIe Slot (PCIe x1 + USB 2.0, with 1 * Nano SIM Card Slot)			
	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 Slot)			
Front I/O	Ethernet	3 * GbE (RJ45)			
	USB	2 * USB 10Gbps (Type-A)			
		2 * 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			
Side I/O	Power Input	1 * Power Input (2P, P=5.00/5.08, Terminal Block)			
	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	2 * CAN (wafer)			
	GPIO	16bit DIO (OS Configurable DI/DO and H/L, 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)			
	FAN	1 * System Fan (wafer)			
Power Supply	BAT	1 * BAT (wafer)			
	Front Panel	1 * Front Panel (Power + Reset + Recovery, wafer)			
	Type	AT/ATX			
	Power Input Voltage	12~28V DC			
	Connector	1 * Power Input Connector (2P, P=5.08mm, Terminal Block)			
OS Support	RTC Battery	CR2032 Coin Cell			
	Linux	Jetpack 6.2 (Ubuntu 22.04)			
Mechanical	Enclosure Material	Radiator: Aluminum alloy			
	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	-20~50°C (Industrial SSD)			
	Storage Temperature	-40~80°C (Industrial SSD)			
	Relative Humidity	10 to 95% (non-condensing)			
	Vibration	3Grms@5~500Hz, random, 1hr/axis			
	Shock	15G, half sine, 11ms, ±X/Y/Z, 3 shocks/axis			

Product Size



I/O

