Product

KiWiBot Series AGX Orin Platfrom

Features:

- NVIDIA® Jetson AGX Orin, up to 275TOPS
- 2*GbE,1*10GbE RJ45
- 3*USB 10Gbps,5*USB 5Gbps Type-A
- 2*RS232/RS485，2*CAN FD，8*GPIO
- Wi-Fi、BT、4G/5G
- Active Heat Dissipation
- 12~28V DC



Remote Management

Condition Monitoring

Remote Operation And Maintenance

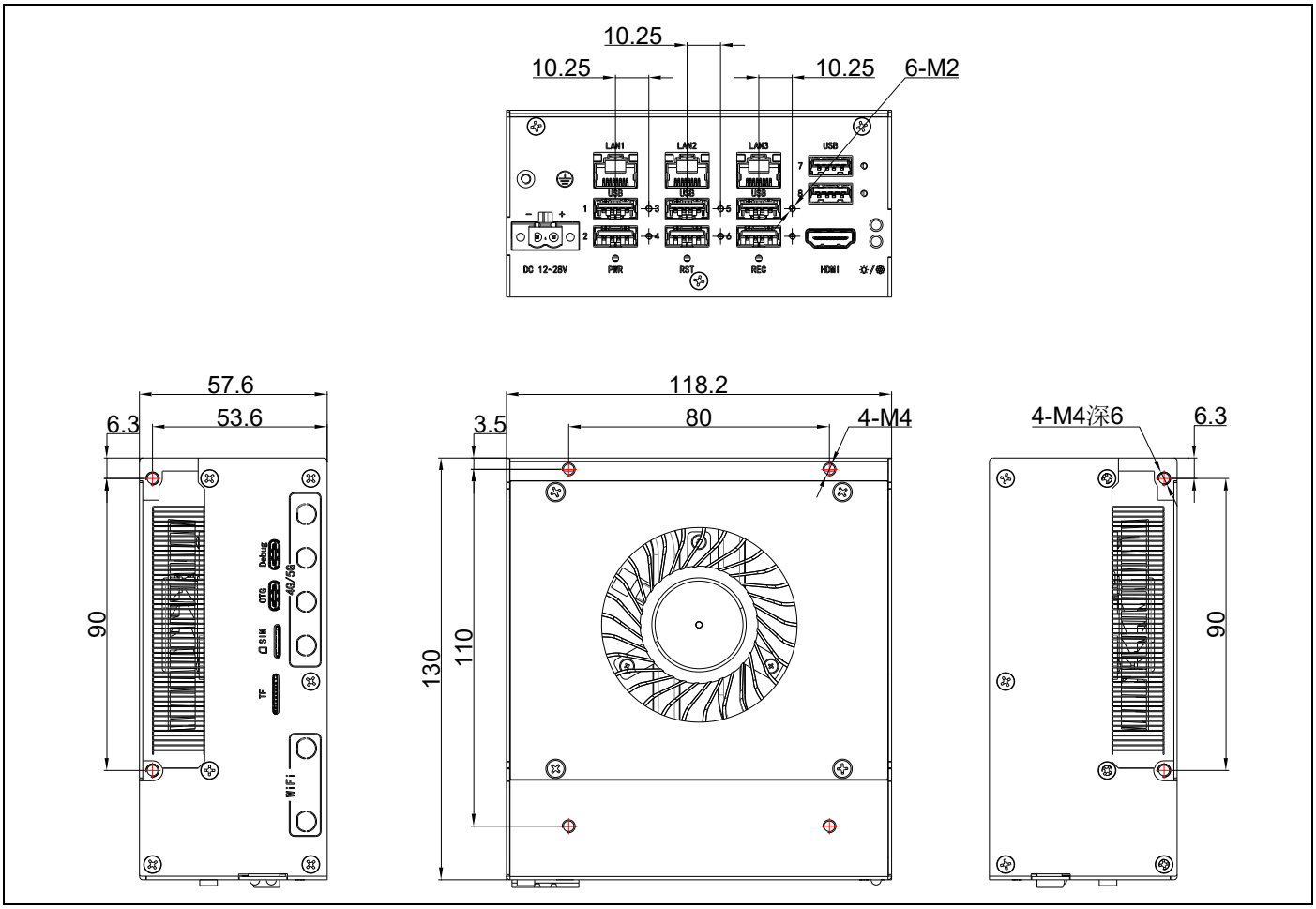
Safety Control

Product Specification

Model		TER30J-B3	
Core Modules		Jetson AGX Orin 32GB, 200 TOPS	Jetson AGX Orin 64GB, 275 TOPS
Ethernet	Controller	1 * Marvell® AQR113C,10/100/1000/2500/5000/10000 Mbps	
		1 * Marvell® 88E1512,10/100/1000 Mbps	
		2 * Intel® i226-V/LM,10/100/1000/2500 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)	
		1 * M.2 Key-E Slot (PCIe x1 + USB 2.0)	
Front I/O	Ethernet	1 * 10GbE (RJ45)	
		2 * 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	
		1 * System Recovery button	
	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)	
	TF	1 * TF Card Slot	
	SIM	1 * Nano SIM Card Slots	
Internal I/O	Front Panel	1 * Front Panel (Power + Reset + Recovery, wafer)	
	Docking	Ethernet (88E1512) + Debug (Uart) + OTG (USB 2.0) + GPIO	
	FAN	1 * System Fan (wafer)	
	GPIO	8bit GPIO (OS Configurable DI/DO and H/L, wafer)	
	Serial	2 * RS232/485 (Jumper Switch, wafer)	
		1 * TTL (wafer)	
	Audio	1 * Audio (Line_Out + Mic) (wafer)	
Power Supply	Type	AT/ATX	
	Power Input Voltage	12 ~ 28V DC	
	Connector	1 * Power Input Connector (2P, P=5.08mm, Terminal Block)	
	RTC Battery	CR2032 Coin Cell	
OS Support	Linux	Jetpack6.2 (Ubuntu22.04)	
Mechanical	Enclosure Material	Aluminum alloy	
	Dimensions	118.2mm(L) * 130mm(W) * 57.6mm(H)	
	Mounting	Bracket Mounting	
Environment	Heat Dissipation System	Active Fan Cooling	
	Operating Temperature	-20~50°C (Industrial SSD)	
	Storage Temperature	-40~80°C (Industrial SSD)	

	Relative Humidity	10 to 95% RH (non-condensing)
	Vibration During Operation	3Grms@5~500Hz, random, 1hr/axis
	Shock During Operation	15G, half sine, 11ms, ±X/Y/Z, 3 shocks/axis

Product Size



Product I/O