

PAS-6101

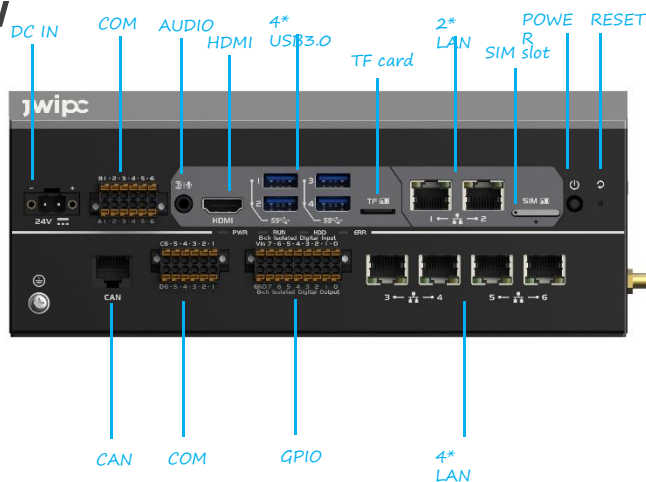
NVIDIA Jetson AGX Orin
AI machine vision controller



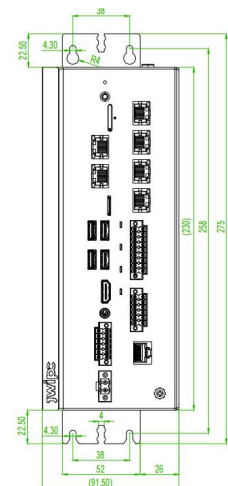
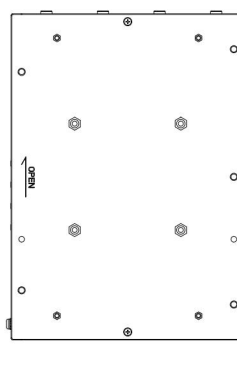
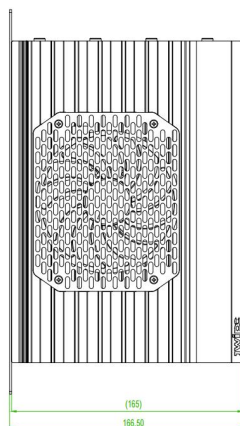
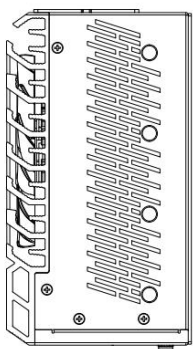
Features

- Jetson AGX Orin module
- 32/64GB of memory
- Up to 12 ARM Cortex-A78AE cores, 2.2GHz
- 6 * GbE Ethernet ports, M.2 for WiFi/BT, 4G/5G Support TPM 2.0, GPS module
- Industrial-grade device
- DC 9~36V, over-current and over-voltage protection

Product View



■ Dimensions



System	Processor	8/12 Cores A78AE 2.2GHz
	Chipset	NVIDIA Jetson AGX Orin
	SIO	NVIDIA Ampere, VRAM 32/64GB, 275/200 TOPS 2048/1792 CUDA Cores, 64/56 Tensor Cores
	Memory	32/64 GB
	OS	Ubuntu20.04
I/O interface	USB	4 x USB3.0 Type-A
	Serial	1 x 12pin RS232 + RS485 + CAN, 1 x 12pin RS232 + RS422 + RS485, (Phoenix terminal, optocoupler isolated) 1 x RJ45 CAN
	LED	4 x LED, (Run, Power, SSD, Error)
Expansion	M.2	1 x M.2 3052 (B-Key, Signal: PCIe + USB, expandable 4G/5G module) 1 x M.2 E-Key, expandable WiFi/BT module, optional WiFi 5/WiFi 6
Graphics	Graphics Processor	NVIDIA Ampere GPU
	Interface	1 x HDMI2.1, Up to 4096 x 2160 @60Hz
Storage	Storage Device	64GB eMMC 1 x M.2 2280 (M-Key, NVMe, Signal: PCIe x4) 1 x Micro SD
Audio	Audio Codec	/
	Audio Interface	1 x 3.5mm Combo Jack
Ethernet	LAN	2 x 10/100/1000 Mbps 4 x 10/100/1000 Mbps
Power	Power Input	9~36V DC IN
	Power Interface	/
Others	OS Supports	Ubuntu 20.04
	Watchdog Timer	1 to 255 sec./min. per step
	TPM	TPM 2.0
Mechanical	Dimensions	230 x 165 x 91.5mm (9.06" x 6.5" x 3.6")
	Weight	/
	Mounting	Desk/Wall-mounting, Din rail mounting
Environment	Operating Temp.	-25~60°C (-13~140 °F) w/ 0.7m/s airflow
	Storage Temp.	-40~85°C (-40~185 °F)
	Humidity	10%~85% Humidity, non-condensing
	Shock	With SSD: 15G, IEC 60068-2-27, half sine, 11ms duration
	Vibration	With SSD: 2Grms, IEC 60068-2-64, random, 5~500Hz, 1 hr/axis

Model	CPU	Display	DIMM	LAN	USB3	USB2	COM	M.2
PAS-6101A	Jetson AGX Orin 32G	1	/	6	4	/	4	2
PAS-6101B	Jetson AGX Orin 64G	1	/	6	4	/	4	2

■ Packing List

Part Number	Description
300600013312	Power Supply,Adapters, 180W,AC100~240V,24V,7.5A ,2PinPhoenix
302400001697	Shock-absorbing foot pads
302300020114	Side wall mounting strip, T=1.5mm,275x52x1.5mm
302300020115	Bottom mounting strip, T=1.5mm,139x37x1.5mm
302300000937	DIN rail, T=2.5mm,47.8x35x9.1mm

■ Optional Accessories

SSD128GB	SSD128GB,M.2_M-KEY,2280, NVMe
SSD256GB	SSD256GB,M.2_M-KEY,2280, NVMe
SSD512GB	SSD512GB,M.2_M-KEY,2280, NVMe
SSD1TB	SSD1TB,M.2_M-KEY,2280, NVMe
SSD2TB	SSD2TB,M.2_M-KEY,2280, NVMe
4G/5GModule	4G/5GModule with Antenna
WiFi & Bluetooth Module	WiFi & Bluetooth Module with Antenna