

Uranus Plus



AI Embedded System for NVIDIA® Jetson™ Orin Modules



Features

- Supports NVIDIA® Jetson Orin™ NX, Orin™ Nano modules
- Compact fanless design
- Equipped with 256G NVMe SSD
- Supports up to 2x GbE (1x 2.5G default, 1x 1G optional)
- Expansion slots for 5G or 4G and WIFI functions
- Ideal for AIoT gateways, Smart City, Smart Retail applications



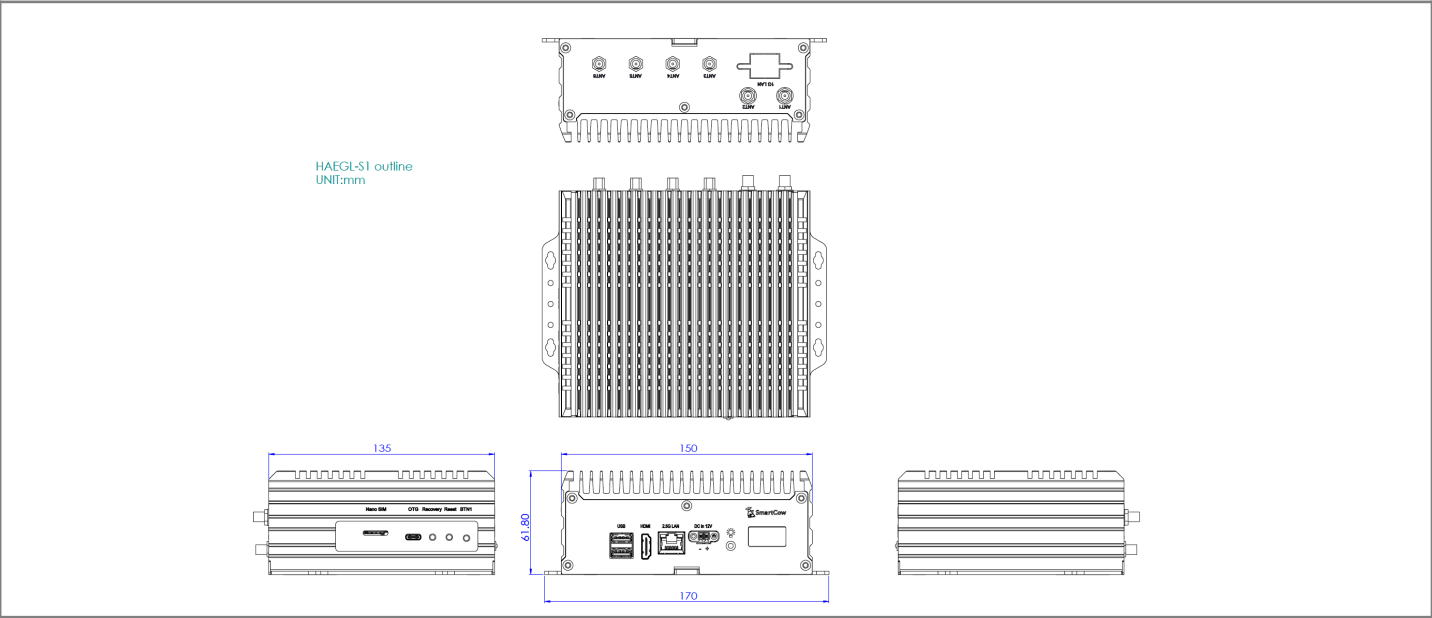
Specifications

General	Processor	NVIDIA Jetson Orin NX / Orin Nano
	BSP	Jetpack 5.1.2
	Storage	256G NVMe SSD
	Power input	12V DC input with 2-pin Terminal block
	Certification	CE, FCC
Physical I/O	Display	1x HDMI 2.0 Type A 1x 0.96-inch OLED
	Ethernet	1x RJ45 GbE (10/100/2500)
	Tact Switch	1x Recovery 1x Reset 1x GPIO
	USB	2x USB3.2 Gen2 Type A 1x USB2.0 Type C (OTG only)
	SIM Card	1x Nano SIM
	Power LED	1x Power LED indicator
Expansion	Expansion slot	1x M.2 E Key 2230 for WIFI 1x M.2 B Key 3042/3052 for 4G/5G
Environment	Operating Temp	-25°C ~+60°C
	Storage Temp	-40°C ~+85°C
	Storage Humidity	95% @ 40 °C (non-condensing)
Mechanical	Dimension	170x135x62mm (w/ wall mount bracket)
	Weight	TBD
	Installation	Wall mount

Compatible Jetson Module

	Orin NX 16GB	Orin NX 8GB	Orin Nano 8GB	Orin Nano 4GB
AI Performance	100 TOPS	70 TOPS	40 TOPS	20 TOPS
CPU	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3	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	
GPU	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores			512-core NVIDIA Ampere architecture GPU with 16 Tensor Cores
Memory	16GB 128-bit LPDDR5 102.4GB/s	8GB 128-bit LPDDR5 102.4GB/s	8GB 128-bit LPDDR5 68 GB/s	4GB 64-bit LPDDR5 34 GB/s

Mechanical



Ordering Information

Model Name	Description
HAEGL-RN16	AI Embedded System with Jetson Orin NX 16G, 256G NVMe SSD, 12V DC, including 60W 12V Adapter
HAEGL-RN08	AI Embedded System with Jetson Orin NX 8G, 256G NVMe SSD, 12V DC, including 60W 12V Adapter
HAEGL-RA08	AI Embedded System with Jetson Orin Nano 8G, 256G NVMe SSD, 12V DC, including 60W 12V Adapter
HAEGL-RA04	AI Embedded System with Jetson Orin Nano 4G, 256G NVMe SSD, 12V DC, including 60W 12V Adapter

Packing List

Item	Description	Qty
HAEGL	AI Embedded System with NVIDIA Jetson module	1
Power Adapter	DC 12V/5A, Terminal block	1

Accessories (Optional)

Part Number	Description
1Y0701800200LI	US Power Cord
1Y0701800100LI	EU Power Cord
	5G module (Quectel RM502Q-AE) 5G Antenna and Coaxial cable (Usage: 4)
	LTE module LTE Antenna and Coaxial cable (Usage: 2)
	WIFI module WIFI Antenna and Coaxial cable (Usage: 2)
	1G LAN cable