

# 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



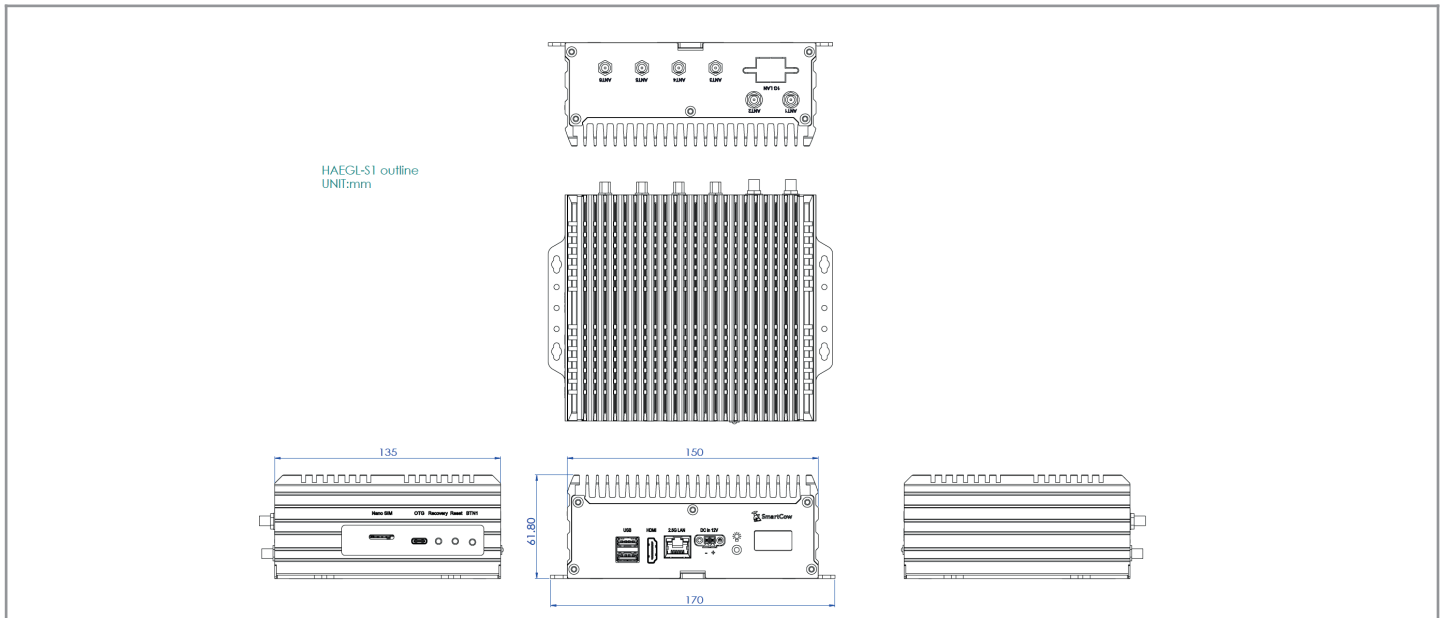
### Specifications

<b>General</b>	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
<b>Physical I/O</b>	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
<b>Expansion</b>	Expansion slot	1x M.2 E Key 2230 for WIFI 1x M.2 B Key 3042/3052 for 4G/5G
<b>Environment</b>	Operating Temp	-25°C ~+60°C
	Storage Temp	-40°C ~+85°C
	Storage Humidity	95% @ 40 °C (non-condensing)
<b>Mechanical</b>	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