

HardEdge - Mars



AI Edge Embedded System



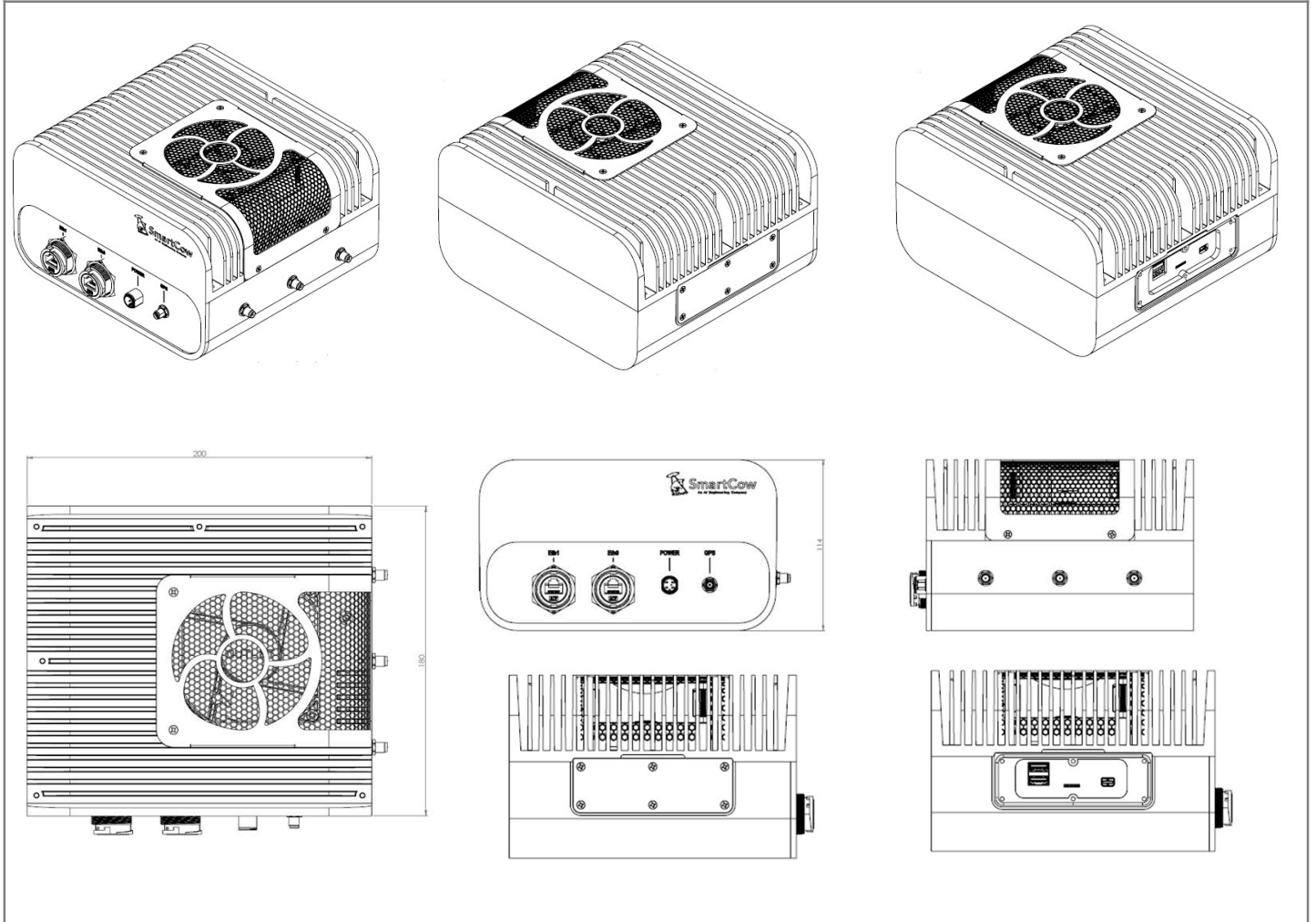
Features

- AI edge embedded box PC
- NVIDIA Jetson AGX Orin 32G/64G module support
- Support 1* 10Gbe Ethernet Network Port
- Richable Expansion Slots
- Support DIN-rail Mounting
- Support 24/7 Out-Of-Band(OOB) Management

Specifications

NVIDIA® Jetson AGX Orin	CPU	<ul style="list-style-type: none"> - 8 core Cortex A78 ARM 64-bit CPU, 2 clusters (4x 256KB L2 + 2MB L3) + 4MB L4 - 12 core Cortex A78 ARM 64-bit CPU, 3 clusters (4x 256KB L2 + 2MB L3) + 4MB L4
	GPU	<ul style="list-style-type: none"> - NVIDIA Ampere Architecture with 2048 NVIDIA® CUDA® cores and 64 Tensor Cores. (108 Sparse INT8 TOPs). - NVIDIA Ampere Architecture with 2048 NVIDIA® CUDA® cores and 64 Tensor Cores. (170 Sparse INT8 TOPs).
	Memory	<ul style="list-style-type: none"> - 32 GB 256-bit LPDDR5x 204 GB/s - 16 GB 256-bit LPDDR5x 204 GB/s
	Storage	<ul style="list-style-type: none"> - 64 GB eMMC 5.1
System Interface	Front I/O Panel	<ul style="list-style-type: none"> - M12 Power Connector x1 - 1 GbE port x1 - 10 GbE port x1 - USB 3.0 x2 - Antenna port x3 - GPS port x1 - mini DP x1 - Nano SIM slot
	Internal I/O	<ul style="list-style-type: none"> - USB Type C x1 (OTG) - Automation Header(Reset/Recovery)
	Expansion Slot	<ul style="list-style-type: none"> - Mini PCIe (2280) x1 - M.2 E Key (2230) x1 - M.2 BKey (3052) x1 - Micro SD Card
General	Power input	24V DC input with M12 Power Connector
	Dimensions (W x D x H)	200 x 180 x 114mm
	Weight	5kg
	Operating Temp	-20°C ~+60°C
	Storage Temp	-40°C ~+85°C
	Storage Humidity	95% @ 40 °C (non-condensing)
Certification	CE, FCC	

Mechanical Drawing



Ordering Information

Part Number	Description
HAEG-M	- AI Embedded system with Jetson AGX Orin 32G/64G module, 24V DC in, including 100W 24V Adapter

Peripheral (Optional)

Item	Description
Power Cord	EU Power Cord
	US Power Cord
M.2 Key B 3052	Quectel/Thales
M.2 Key E 2230	WIFI module
M.2 Key M 2280	NVMe SSD