



Features

- Fanless AI edge embedded box PC
- 8-core NVIDIA Carmel Arm®v8.2 64-bit CPU
- 512 NVIDIA CUDA cores and 64 Tensor cores (Volta™ architecture)
- Onboard 32/64 GB 256-bit LPDDR4x 136.5GB/s
- Supports [Allxon](#) OOB remote device management
- Supports PoE x 8, GbE x 2
- Supports M.2 M-key 2280 x 1 (for NVMe SSD)
- Supports M.2 B-key 3042/3052 x 1 (for 4G/5G module)
- Supports M.2 E-key 2230 x 1 (for WiFi/BT module)
- Supports SATA x 2, SD Card x 1
- Supports CAN bus x 1, GPS x 1
- Supports RS232 x 2 (SKU1) / RS232 x1, RS485 x 1 (SKU2)
- Supports Alarm In x 8, Alarm Out x 8
- Supports 9V to 36V wide-range DC input

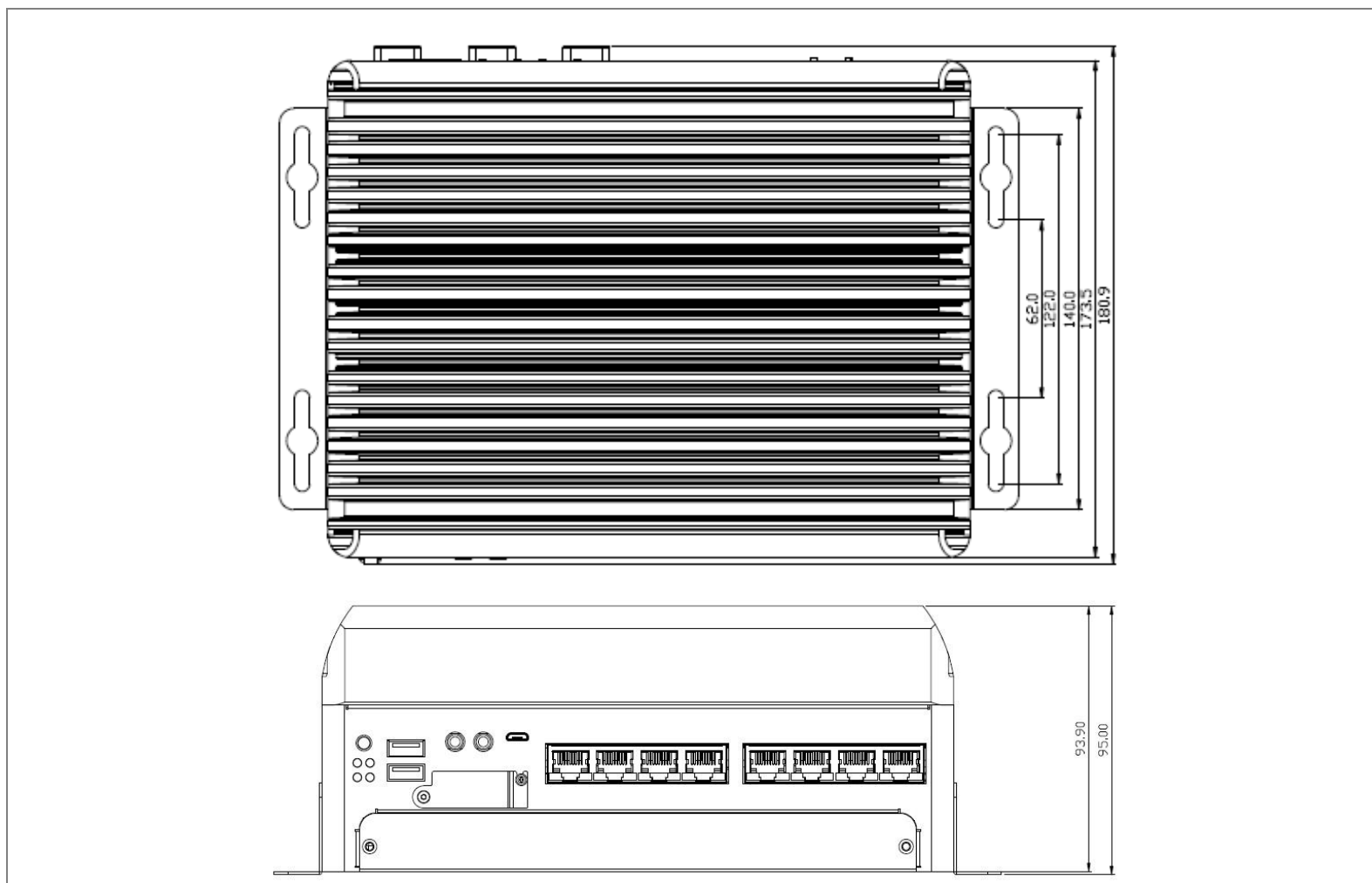


Specifications

System		Interface	
AI Accelerator	NVIDIA® AGX Xavier	Button	PWR & Reset Switch x 1, PWR Input x 1
CPU	8-core NVIDIA Carmel Arm®v8.2 64-bit CPU	Indicator	LED x 4 (PWR/LAN/IGN/STR)
GPU	512 NVIDIA CUDA cores and 64 Tensor cores (Volta™ architecture)	Display	HDMI x 1, DisplayPort x 1
Memory	Onboard 32/64 GB 256-bit LPDDR4x (136.5GB/s)	Audio	Audio In/Out x 1
Storage		USB	USB 3.0 x 2, USB 2.0 x 2
Storage	32 GB eMMC 5.1	OTG USB	MicroUSB x 1 (for Flash OS)
SATA	SATA x 2	DIO	Alarm In x 8, Alarm Out x 8
SD Card	SD Card x 1	Power	PWR Input x 1 (3-pin terminal block)
NVMe SSD	Supported (via Expansion)	CAN bus	CAN bus x 1
Power		COM	SKU1: RS232 x 2; SKU2: RS232 x1, RS485 x 1
Power Supply	DC 9-36V	Others	--
Network		General	
Ethernet	GbE x 2	Dimensions (W x D X H)	242 x 177 x 94 mm ³
PoE	PoE x 8 (10/100 MbE, Single 30W/Total 120W)	Weight	4.5 kg
Antenna	ANT. x 5	Operating Temp.	-20°C ~ 60°C, according to IEC60068-2 with 0.5 m/s AirFlow
Wi-Fi / BT	Supported (via Expansion)	Storage Temp.	-40°C ~ 85°C
4G / 5G	Supported (via Expansion)	Storage Humidity	10% ~ 90%, non-condensing
GPS	Supported (via Expansion)	Vibration	MIL-STD-810G, Method 514.7, Category 4; MIL-STD-810G, Method 516.7, Procedure I (Shock)
Expansion		Certification	CE/ FCC Class A, according to EN 55032/55035; EN50155, UL, BSMI, PSE, other (by project)
M.2	M.2 M-key 2280 x 1		
	M.2 E-key 2230 x 1,		
	M.2 B-key 3042/3052 x 1		

Dimension

Unit: mm



Ordering Information

Part Number	Packing List
2ENGR28DAP0001R (SKU1: RS232 x 2) eNVP-JAX-AI-V0008,AGX,2 SATA,8 POE,9-36V 2ENGR28DAP0004R (SKU2: RS232 x 1, RS485 x 1) eNVP-JAX-AI-V0008,AGX,RS485,8 POE,9-36V	<ul style="list-style-type: none"> • AI BOX x 1 • Power Harness Cable x 1 • SATA Cable x 2 • Alarm I/O Cable x 2 • RS485 Cable x 1 • Mounting Bracket x 2 • Screw Kit x 1 <ul style="list-style-type: none"> - 4 screws + 8 spacers (for mounting bracket) - 8 screws for SATA drive

Optional Accessories

Part Number / Item			
3ENXD00DTH0002R	M.2 2230 BL-M2288CP1 2.4/5G WIFI/BT Kit	47120OBSWIFAC01	Allxon swiftDR OOB Enabler
3ENTR00DTH0002R	LE910C4-EU mPCIe CAT4 4G Kit		
3ENTR00DTH0003R	LE910C4-EU M.2 B KEY 3042 CAT4 4G Kit		