

TANK-XM-811AI-RPL Series AIoT Dev. Kit

Features

- 13th Gen. Intel® Core™ i9-13900TE Processor
- 13th Gen. Intel® Core™ i7-13700TE Processor
- Dual 2.5 GbE LAN ports
- Multiple USB 3.2 Gen 2 (10Gb/s) & COM ports
- Modulized flexible expansion chassis and backplane
- Support Mustang AI accelerator card



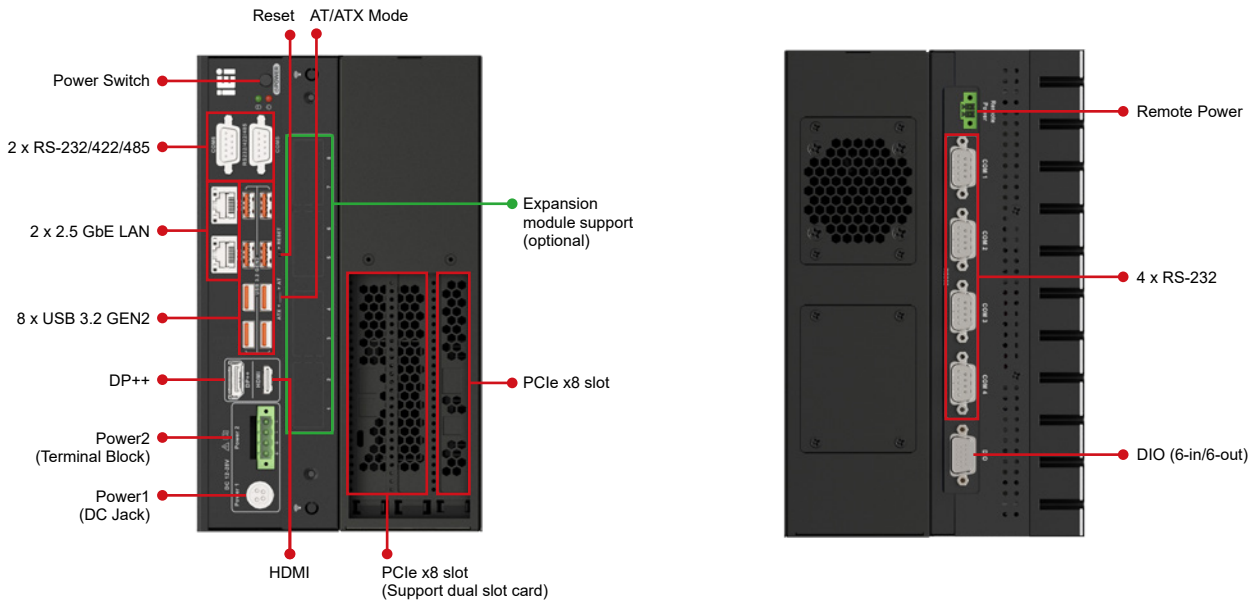
Specifications

Model Name		TANK-XM-811AI-RPL Series AIoT Dev. Kit
Form factor	Color	Black C
	Dimensions(WxDxH)	137.9 x 255.4 x 230.6 mm
	System Fan	Fan
	Chassis Construction	Extruded aluminum alloys
Motherboard	CPU	Intel® Core™ i9-13900TE Processor Intel® Core™ i7-13700TE Processor
	Chipset	Intel® R680E
	System Memory	2 x SO-DIMM DDR4 3200MHz (2 x 8GB non-ECC Pre-installed, up to 64GB, support ECC SKU)
Storage	Hard Drive	1 x 2.5" SSD bay (256GB SSD pre-installed)
I/O Interfaces	Ethernet	2 x RJ-45: 1 x Intel® I225LM 2.5GbE 1 x Intel® I225V 2.5GbE
	USB 3.2 Gen2(10Gb/s)	8
	COM	2 x RS-232/422/485 4 x RS-232
	Digital I/O	12-bit (6-in/6-out)
	Display	1 x DP++ (up to 4096 x 2160@60Hz) 1 x HDMI (up to 4096 x 2160@30Hz)
Expansion Slots	M.2	1 x 2230 A-key (PCIe x1/ USB 2.0, support Intel® vPro) 1 x 2280 M-key (PCIe x4)
	Backplane	2 x PCIe x8 slot (total power up to 75W, support FHHL card)
Power	Power Input	DC Jack: 12V ~ 28V DC Terminal Block: 12V ~ 28V DC
	Remote power	Terminal Block: 2-Pin
Reliability	Mounting	Wall mount
	Operating Temperature	-20°C ~ 60°C with air flow (SSD), 10% ~ 95% non-condensing
	Storage Temperature	-40°C ~ 80°C, 10% ~ 95%, non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)
	Operation Vibration	MIL-STD-810G 514.6C-1 (with SSD)
	Weight (Net/Gross)	4.6 kg/5.6 kg
	Safety / EMC	CE/FCC
Watchdog timer	Programmable 1 ~ 255 sec/min	
OS	Supported OS	Windows® 10 IoT Enterprise/ Linux

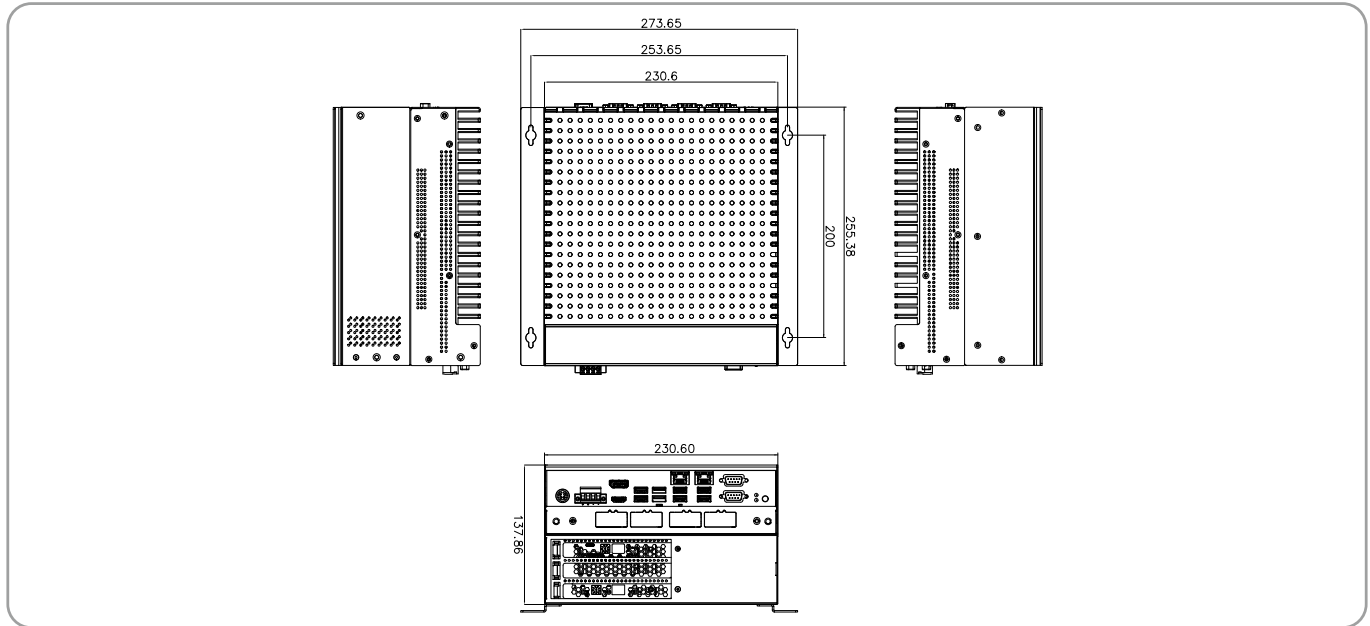
Fully Integrated I/O

Top View

Front View



Dimensions (Unit: mm)



Ordering Information

Part No.	Description
TANK-XM811AI-RPL01/2A-R10	Ruggedized embedded system with Intel® Core™ i9-13900TE processor, 2 x 8GB DDR4 pre-installed, 2 x PCIe x8 expansion, 2.5" 256 SSD, 12~28V DC, 180W AC DC power adapter, RoHS
TANK-XM811AI-RPL02/2A-R10	Ruggedized embedded system with Intel® Core™ i7-13700TE processor, 2 x 8GB DDR4 pre-installed, 2 x PCIe x8 expansion, 2.5" 256 SSD, 12~28V DC, 180W AC DC power adapter, RoHS

AI Accelerator Card Options

Part No.	Description
Mustang-V100-MX8-R20	Computing Accelerator Card with 8 x Intel® Movidius™ Myriad™ X MA2485 VPU, PCIe Gen2 x4 interface, RoHS

Packing List

1 x Mounting Screw	1 x Wall Mounting Kit	1 X QSG
1 x 180W Adapter	1 x Power Cord	