

TANK-XM811 DG Dev. Kit

Features

- 14th Intel® Core™ i7-14700TE
- Intel® Arc™ Pro A40 Graphics
- Dual 2.5 GbE LAN ports
- Multiple USB 3.2 Gen 2 (10Gb/s) & Serial ports
- Modulized flexible expansion chassis and backplane



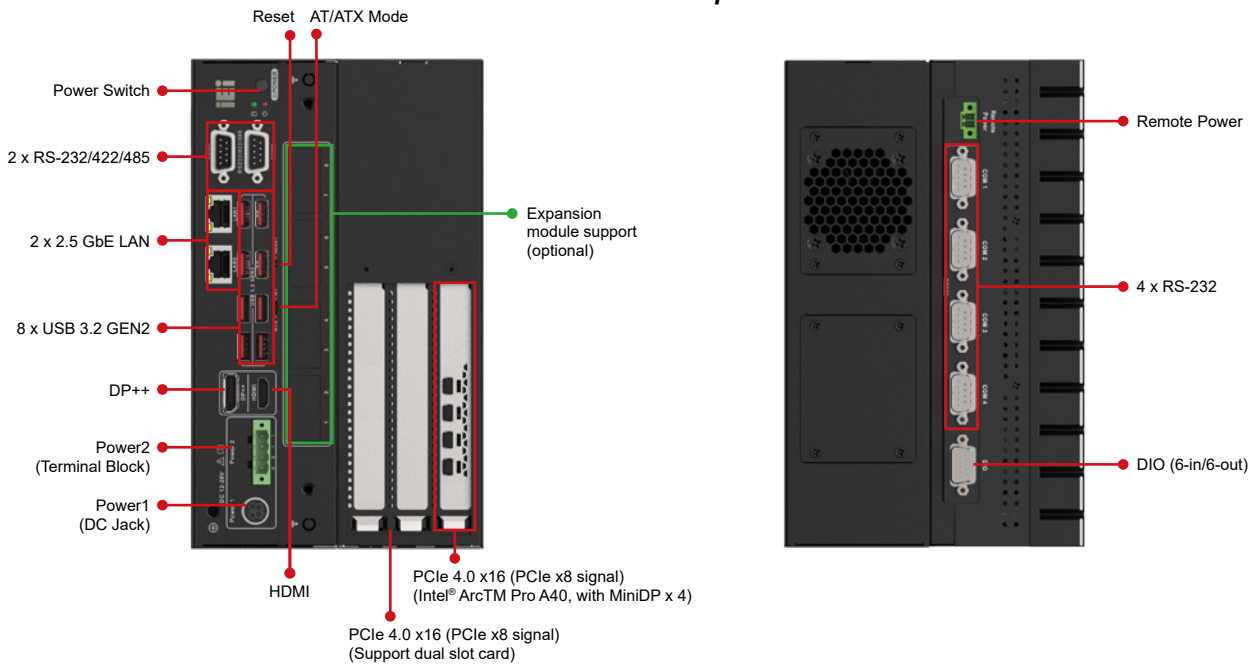
Specifications

Model Name	TANK-XM811 DG Dev. Kit	
Form factor	Color	Black C
	Dimensions (WxDxH)	137.9 x 255.4 x 230.6 mm
	Cooling	Fan (in expansion chassis)
	Chassis Construction	Extruded aluminum alloys
Motherboard	CPU	Intel® Core™ i7-14700TE 1.3GHz, (up to 5.2GHz, TDP 35W)
	Chipset	Intel® R680E
	System Memory	2 x SO-DIMM DDR4 3200MHz (2 x 16GB non-ECC Pre-installed, up to 64GB, support ECC SKU)
Storage	Drive Bays	1 x 2.5" SSD bay (256GB SSD pre-installed)
Discrete Graphics	Graphics Controller Model	Intel® Arc™ Pro A40
	Graphics Memory Capacity	6GB GDDR6
	Display Outputs	4x mini-DP 2.0 Ready with Audio Support
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
	Serial I/O	2 x RS-232/422/485 (switch by BIOS) 4 x RS-232
	Digital I/O	12-bit (6-in/6-out)
	Display outputs (Integrated Graphics)	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 3.0 x1/ USB 2.0, support Intel® vPro) 1 x 2280 M-key (PCIe 3.0 x4)
	Backplane	1x PCIe 4.0 x16 (PCIe x8 signal) - support dual slot card 1x PCIe 4.0 x16 (PCIe x8 signal) - Intel Arc Pro A40 pre-installed (Maximum total 75W for add-on card power consumption and 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	0°C ~ 40°C with air flow (SSD + Discrete Graphics)
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD + Discrete Graphics)
	Operation Vibration	MIL-STD-810G 514.6C-1 (SSD + Discrete Graphics)
	Weight (Net/Gross)	5.02 kg / 6.02 kg
	Safety / EMC	CE/FCC
	Watchdog timer	Programmable 1 ~ 255 sec/min
OS	Supported OS	Windows® 10/11 IoT Enterprise/ Linux (Ubuntu 22.04 IoT)

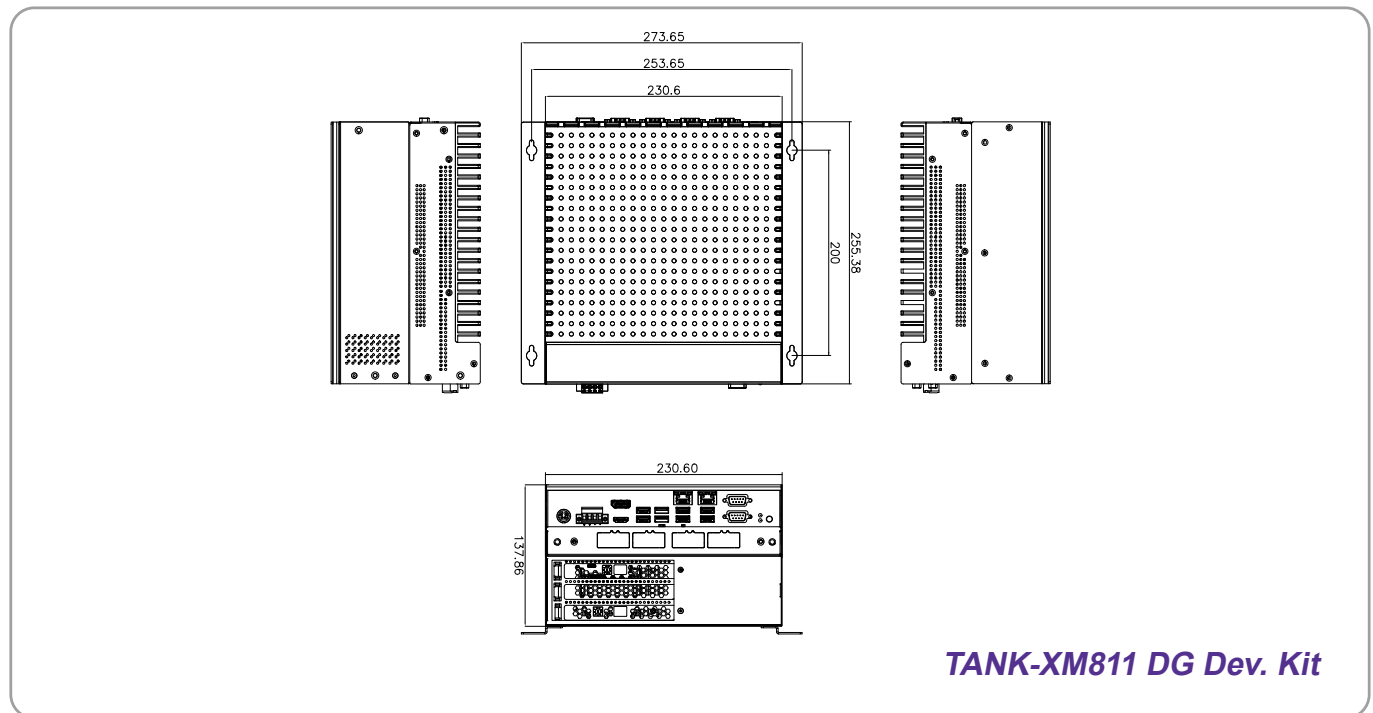
Fully Integrated I/O

Front View

Top View



Dimensions (Unit: mm)



Ordering Information

Part No.	Description
TANK-XM811AI-I7RPR-A40-R10	Ruggedized embedded system with Intel® Core™ i7-14700TE 1.3GHz, (up to 5.2GHz, TDP 35W), 2 x 16GB DDR4 pre-installed, Intel® Arc™ Pro A40 pre-installed, 2.5" 256 SSD, 12~28V DC, 180W AC DC power adapter, RoHS

Packing List

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