

# TANK-870e-H110

High-Performance 6th/7th Generation Intel® Core™ Processor



## Features

- » 6th/7th Gen Intel® Core™ processor platform with Intel® H110 chipset and DDR4 memory
- » Support dual display VGA+HDMI
- » On-board internal power connector for providing power to add-on cards
- » Great flexibility for hardware expansion

## Specifications

Form factor	
SBC Form Factor	» CPU: Intel 7th Gen Core CPU & Intel® Core™ i5-6500TE (2.3 GHz, quad-core, TDP=35W) » Chipset: Intel® H110 » System Memory: 2 x 260-pin DDR4 SO-DIMM, one 4 GB pre-installed (system max: 32GB) » Power: Input - DC Jack: 9 V~36 V DC, Terminal Block: 9 V~36 V DC Consumption: 19 V@3.44 A (Intel® Core™ i7-6700TE with 8 GB memory) Internal Connector: 5V@3A or 12V@3A » Reliability: Operating Shock - Half-sine wave shock 5G, 11ms, 100 shocks per axis Non-Operating Shock - Half-sine wave shock 15G, 11ms, 100 shocks per axis Operating Vibration - MIL-STD-810G 514.6C-1 (with SSD) Non-Operation Vibration - Half-sine mode IEC-60068-2-06 Safety/EMC - CE/FCC
I/O Interface	
I/O Ports	» USB: 4 x USB 3.0 » Ethernet: 2 x RJ-45 PCIe GbE by RTL8111G controller » COM Port: 2 x RS-232/422/485 (DB-9, w/ 2.5kV isolation protection) » Display: 1 x VGA (Up to 1920 x 1200@60Hz) 1 x HDMI 1.4 (up to 3840x2160@30Hz) » Audio: 1 x Line-out, 1 x Mic-in
Expansion Slots	
Expansion Slots	» PCIe Mini:

	1 x Full-size PCIe Mini slot
	1 x Full-size PCIe Mini slot (supports mSATA, colay with SATA)
	» Backplane:
	3A: 1 x PCIe x16, 2 x PCI
	3B: 1 x PCIe x16, 1 x PCIe x4, 1 x PCI
<b>System</b>	
Cooling method / System Fan	Fanless
Drive Bays	2 x 2.5" SATA 6Gb/s HDD/SSD bay
<b>Indicator&amp;Buttons</b>	
Buttons	1 x Power Button
	1 x Reset Button
	1 x AT/ATX Switch
<b>Physical Characteristics</b>	
Construction	Extruded aluminum alloys
<b>Color</b>	
Color	Dark silver purple + Silver
<b>Dimensions</b>	
Dimensions	132.6 x 255.2 x 190 (WxDxH) (mm)
<b>Weight</b>	
Weight	4.2 kg/6.3 kg
<b>Environment</b>	
Operating Temperature	i7-6700TE -20°C ~ 50°C with air flow (SSD)
	i5-6500TE -20°C ~ 60°C with air flow (SSD)
Humidity	10% ~ 95%, non-condensing

## Ordering Information

TANK-870e-H110-i5/4G/3B-R11	Ruggedized Fanless embedded system with Intel® Core i5-6500TE 2.3GHz, (up to 3.3 GHz, Quad Core, TDP 35W), 4GB DDR4 pre-installed memory, 1 x PCIe by 16 & 1 x PCIe by 1 & 1 x PCI expansion, VGA/HDMI, 9~36V DC, RoHS
TANK-870e-H110-i5/4G/3A-R11	Ruggedized Fanless embedded system with Intel® Core i5-6500TE 2.3GHz, (up to 3.3 GHz, Quad Core, TDP 35W), 4GB DDR4 pre-installed memory, 1 x PCIe by 16 & 2 x PCI expansion, VGA/HDMI, 9~36V DC, RoHS

## Packing List

1 x Chassis Screw	1 x Mounting Bracket
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