

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 |
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| | » Backplane: |
| | 3A: 1 x PCIe x16, 2 x PCI |
| | 3B: 1 x PCIe x16, 1 x PCIe x4, 1 x PCI |
| System | |
| Cooling method / System Fan | Fanless |
| Drive Bays | 2 x 2.5" SATA 6Gb/s HDD/SSD bay |
| Indicator&Buttons | |
| Buttons | 1 x Power Button |
| | 1 x Reset Button |
| | 1 x AT/ATX Switch |
| Physical Characteristics | |
| Construction | Extruded aluminum alloys |
| Color | |
| Color | Dark silver purple + Silver |
| Dimensions | |
| Dimensions | 132.6 x 255.2 x 190 (WxDxH) (mm) |
| Weight | |
| Weight | 4.2 kg/6.3 kg |
| Environment | |
| 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-R12 | Ruggedized Fanless embedded system with Intel® Core i5-6500TE 2.3GHz, (up to 3.3 GHz, 4-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, Powder paint, RoHS |
| TANK-870e-H110-i5/4G/3A-R12 | Ruggedized Fanless embedded system with Intel® Core i5-6500TE 2.3GHz, (up to 3.3 GHz, 4-Core, TDP 35W), 4GB DDR4 pre-installed memory, 1 x PCIe by 16 & 2 x PCI expansion, VGA/HDMI, 9~36V DC, Powder paint, RoHS |

Packing List

| | |
|-------------------|----------------------|
| 1 x Chassis Screw | 1 x Mounting Bracket |
|-------------------|----------------------|