

TANK-620-ULT3

Fanless Multiple COM Ports Embedded System



Features

- » Intel® Celeron® 3855U (1.6GHz, TDP=15W)
- » Multiple COM ports (up to 14) with TX/RX signal LED indicator for data transmission indication
- » Multiple USB & LAN
- » 24-bit DIO
- » M.2 M-key and dual full-size PCIe Mini slot for expansion
- » Easy accessible storage

Specifications

| Form factor | |
|-----------------|---|
| SBC Form Factor | » CPU: |
| | Intel® Celeron® 3855U (1.6GHz, TDP=15W) |
| | » Chipset: |
| | SoC |
| | » System Memory: |
| | 1 x 260-pin DDR4 SO-DIMM |
| | 1 x on-board DDR4 4GB pre-installed (system max: 32GB) |
| | » Power: |
| | Input: 3-pin terminal block: 9 ~ 36 V DC |
| | Consumption: 12V@2A |
| | » Reliability: |
| | Operating Shock: Half-sine wave shock 5G, 11ms, 100 shocks per axis |
| | Operating Vibration: MIL-STD-810G 514.6C-1 (SSD) |
| | Safety/EMC: CE/FCC |
| I/O Interface | |
| I/O Ports | » 4 x USB 3.0 |
| | » 4 x USB 2.0 |
| | » Ethernet: 2 x RJ-45 |
| | PCIe GbE by Intel® I211 controller |
| | » COM Port: |
| | 6 x RS-232 (DB-9) |
| | 8 x RS-232/422/485 ports with automatic flow control (DB-9) |
| | » 1 x 24-bit digital I/O (12-bit input/12-bit output) |
| | » Audio: |
| | 1 x Mic in, 1 x Speaker out, 1 x Line out |
| | » Display: 2 x VGA |
| Expansion Slots | |

| | |
|---------------------------------|---|
| Expansion Slots | M.2: |
| | 1 x M.2 2280 (M key,PCIe by 4, SATA co-lay SATA2) |
| | PCIe Mini: |
| | 2 x Full-size PCIe mini slot (PCIe by1, USB2.0) |
| 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 |
| Indicators | HDD, |
| | Power, |
| | COM ports |
| Physical Characteristics | |
| Construction | Extruded aluminum alloy |
| Color | |
| Color | Black C + Silver |
| Dimensions | |
| Dimensions | 260 x 200 x100 (WxDxH) (mm) |
| Weight | |
| Weight | 4.4 kg/6.5 kg |
| Environment | |
| Operating Temperature | -30°C ~ 70°C with air flow (SSD) |
| Humidity | 10% ~ 95%, non-condensing |

Ordering Information

| | |
|-------------------------|---|
| TANK-620-ULT3-CE/4G-R10 | Fanless wide temperature embedded system with Intel® Celeron® 3855U 1.6GHz (dual-core, TDP 15W), on-board 4GB DDR4 memory, 9 V~36V DC, with USB, dual VGA, dual Intel® PCIe GbE, COM, DIO, RoHS |
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Packing List

| | |
|----------------------|-------------------|
| 1 x Mounting bracket | 1 x Chassis Screw |
|----------------------|-------------------|