

TANK-630-EHL

Fanless Embedded System



Features

- » Fanless system with Intel® Celeron® J6412 processor
- » Multiple COM ports: six RS-232 and two RS-232/422/485
- » 2 x HDMI dual independent display
- » M.2 and one 2.5" SATA storage device
- » CE/FCC compliant

Specifications

| Form factor | |
|-----------------|--|
| SBC Form Factor | » Supported CPU: |
| | Intel® Celeron® J6412 2.0 GHz (up to 2.6 GHz, quad-core, TDP 10W) |
| | » Chipset: |
| | SoC |
| | » System Memory: |
| | 2 x SO-DIMM DDR4 3200 (8GB pre-installed) (up to 32GB) |
| | » Power: |
| | DC Jack: 12 ~ 28V DC |
| | Terminal Block: 12 ~ 28V DC |
| | Consumption: 12V@3.36 (Intel® Celeron® J6412 with 8GB DDR4 Memory) |
| I/O Interface | |
| I/O Ports | » USB: |
| | 2 x USB3.2 Gen2 |
| | 4 x USB 2.0 |
| | » Ethernet: |
| | 3 x 2.5 GbE by Intel® I225-V/I226-V controller |
| | » Display: |
| | 2 x HDMI™ (up to 4K@30Hz) |
| | » COM Port: |
| | 2 x RS-232/422/485 (DB-9) |
| | 6 x RS-232 (DB-9) |
| | » Digital I/O: |
| | 12-bit Digital I/O (DB15) |
| | » Audio: |
| | 1 x Line-out |
| | 1 x Mic-in |
| | » Wireless: |
| | 1 x 802.11 a/b/g/n/ac (optional) |
| | » TPM: |
| | 1 x TPM (2 x10 pin) |
| | Intel PTT |
| | » Watchdog Timer: |

| | |
|---------------------------------|--|
| | Programmable 1 ~ 255 sec/min |
| Expansion Slots | |
| Expansion Slots | » M.2: |
| | 1 x 2230 A-key (PCIe Gen3 x1/USB 2.0) |
| | 1 x 2042/52/80 B-key (SATA/USB 2.0) |
| | 1 x 2280 M-key (PCIe Gen3 x2) |
| System | |
| Cooling method / System Fan | Fanless |
| Drive Bays | 1 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 | 1 x LED for Power |
| | 1 x LED for HDD |
| Physical Characteristics | |
| Construction | Extruded aluminum alloy |
| Color | |
| Color | Black |
| Dimensions | |
| Dimensions | 184 x 200.6 x 53 (mm) |
| Weight | |
| Weight | 2.04 /2.29 kg |
| Environment | |
| Operating Temperature | -10°C ~ 50°C with 0.7M/S air flow (M.2) |
| Humidity | 10% ~ 95% non-condensing |
| Operating Vibration | MIL-STD-810G 514.6C-1 (SSD) |
| Operating Shock | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) |
| Safety & EMC | CE, FCC, UKCA |
| OS Support | |
| OS Support | Microsoft® Windows® 10/11, Linux |

Ordering Information

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|---------------------|--|
| TANK-630-EHL-JC-R10 | Fanless embedded system with Intel® Celeron® J6412 2.0GHz,(up to 2.6GHz, 4-Core, TDP 10W), 8GB DDR4 pre-installed memory, 10V~28V DC, 6xRS232, 2xRS-232/422/485, 2xUSB 3.2, 4xUSB2.0, 2xHDMI, 3x2.5GbE Lan, RoHS |
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Packing List

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|----------------------|----------------|
| 1 x Mounting Bracket | 1 x Screw pack |
|----------------------|----------------|