

## 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 802.11a/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

|                     |                                                                                                                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Packing List

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