

# TANK-630-EHL

■ Fanless Embedded System

## Features

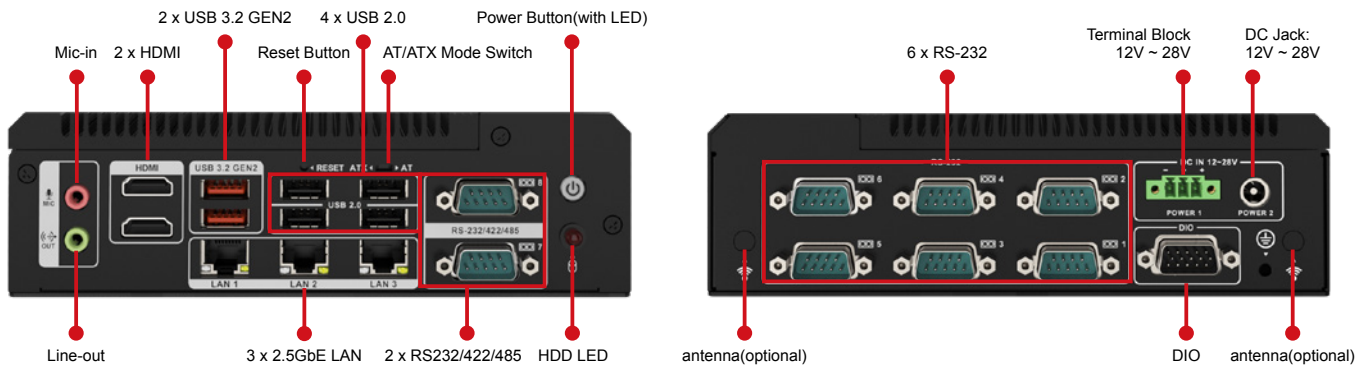
- Fanless system with Intel® Celeron® J6412 processor
- Multiple COM ports: six RS-232 and two RS-232/422/485
- 2 x HDMI dual independent display
- M.2 and one 2.5" SATA storage device
- CE/FCC compliant



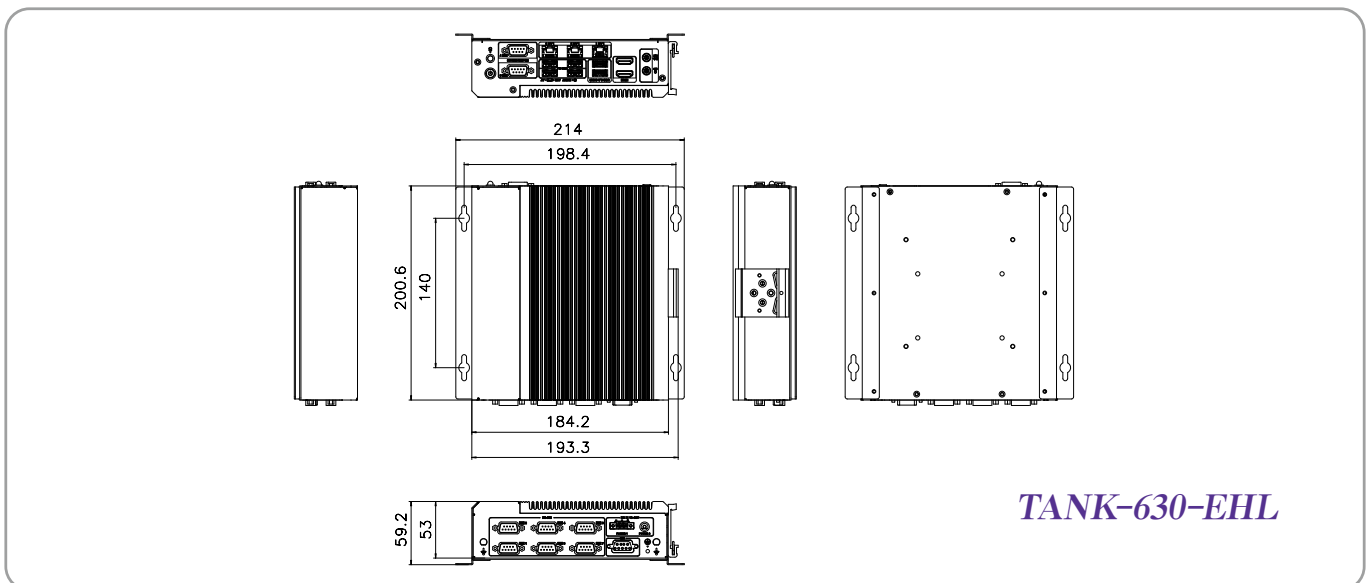
## Specifications

| Model Name     |                                | TANK-630-EHL  |
|----------------|--------------------------------|---|
| Chassis        | Color                          | Black C   |
|                | Dimensions (WxDxH)(mm)         | 184 x 200.6 x 53  |
|                | System Fan                     | Fanless   |
|                | Chassis Construction           | Extruded aluminum alloy   |
| Processor      | CPU                            | Intel® Celeron® J6412 2.0 GHz (up to 2.6GHz, quad-core, TDP 10W)  |
|                | Chipset                        | SoC   |
| Memory         | System Memory                  | 2 x DDR4 3200MHz SO-DIMM (8GB pre-installed)(up to 32GB)  |
| Storage        | SATA                           | 1 x 2.5" SATA 6Gb/s HDD/SSD bay   |
| I/O Interfaces | USB                            | 2 x USB 3.2 Gen2<br>4 x USB 2.0   |
|                | Ethernet                       | 3 x 2.5 GbE by Intel® I225-V/I226-V controller  |
|                | Display                        | 2 x HDMI 1.4b (up to 4k@30Hz)   |
|                | COM                            | 2 x RS-232/422/485 with AFC (DB9)<br>6 x RS-232 (DB9)   |
|                | Audio                          | 1 x Line-out, 1 x Mic-in  |
|                | DIO                            | 1 x 12 Bit DIO (DB15)   |
|                | Wireless                       | 1 x 802.11a/b/g/n/ac (M.2 A Key optional)   |
|                | TPM 2.0                        | 1 x TPM (2 x10 pin)<br>Intel PTT  |
|                | Other                          | 1 x Power Button with LED, 1 x HDD LED, 1 x AT/ATX Switch, 1 x Reset Button                                   |
| Expansions     | M.2                            | 1 x 2230 A-key (PCIe Gen3 x1/USB 2.0)<br>1 x 2042/52/80 B-key (SATA/USB 2.0)<br>1 x 2280 M-key (PCIe Gen3 x2) |
| Power          | Power Input                    | DC Jack: 12 ~ 28V DC<br>Terminal Block: 12 ~ 28V DC   |
|                | Power Consumption              | +12V @ 3.36A (Intel® Celeron® J6412 with 8GB memory)  |
| Reliability    | Mounting                       | Wall Mount, VESA 100  |
|                | Operating Temperature/Humidity | -10°C ~ 50°C with 0.7M/S air flow (M.2), 10% ~ 95%, non-condensing  |
|                | Storage Temperature            | -20°C ~ 70°C, 10% ~ 90%, non-condensing   |
|                | Operating Shock                | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)  |
|                | Operation Vibration            | 10-500 Hz, 1.04 Grms, random, 1 hr/axis (SSD)   |
|                | Weight (Net/Gross)             | 2.04 /2.29 kg   |
|                | Safety / EMC                   | CE, FCC, UKCA   |
| Watchdog Timer | Programmable 1~255 sec/min     |   |
| OS             | Supported OS                   | Microsoft® Windows® 10/11, Linux  |

Fully Integrated I/O



Dimensions (Unit: mm)



TANK-630-EHL

Ordering Information

| Part No.            | Description   |
|---------------------|---|
| 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 |

Options

| Item           | Part No.                    | Description   |
|----------------|-----------------------------|---|
| WIFI Module    | EMB-WIFI-KIT0213-R10        | 2T2R M.2 wifi module kit for embedded system, IEEE802.11a/b/g/n/ac/ax, 1 x M.2 AE Key Wireless LAN & Bluetooth 5.2; Intel; AX210.NGWW Module, 2 x RF cable, 2 x Antenna; RoHS           |
| Power Adapter  | 63040-430084-000-RS         | Adapter Power; Huntkey; HKA09012070-7U; P11-090128801R; Active PFC; Vin:100~240VAC; 84W; Dim:138*51*30.1 mm; Plug=10mm; Cable=1200mm;; Vout:12VDC; Φ2.5/Φ5.5; Cert:CCC/CE/UL; CCL; RoHS |
| Power Cord     | 32702-000202-100-RS         | POWER CORD; EUROPEAN CODE(VDE); 1000mm; 300V; (A)PLUG:SH-005(16A/250V); (B) CONNECTOR:C13(SH-006, 10A/250V)   |
| TPM Module     | TPM-IN03-R10                | 20-pin Infineon SPI TPM2.0 module, software mangement tool  |
| Wall mount kit | 41420-0581C2-00-HF*         | WALL MOUNT BRACKET; NCT processing formation; TANK-630-R10; Powder Painting; PMS Black C  |
| OS             | TANK-630-EHL-W10IoT21-E-R11 | OS Image with Windows® 10 Enterprise Entry 64-bit 2021 LTSC for TANK-630-EHL Series, with DVD-ROM, RoHS   |

\*Wall Mount Bracket quantity required 2

Packing List

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