

TANK-630-EHL

■ Fanless Embedded System

Features

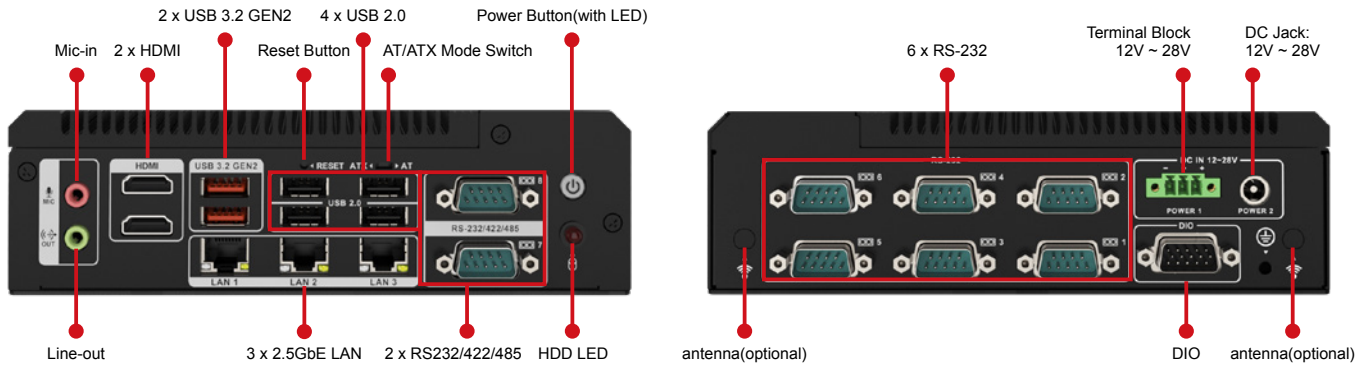
- Fanless system with Intel® Celeron® J6412 processor
- Multiple COM ports: six RS-232 and two RS-232/422/485
- 2 x HDMI dual independent display
- M.2 and one 2.5" SATA storage device
- CE/FCC compliant



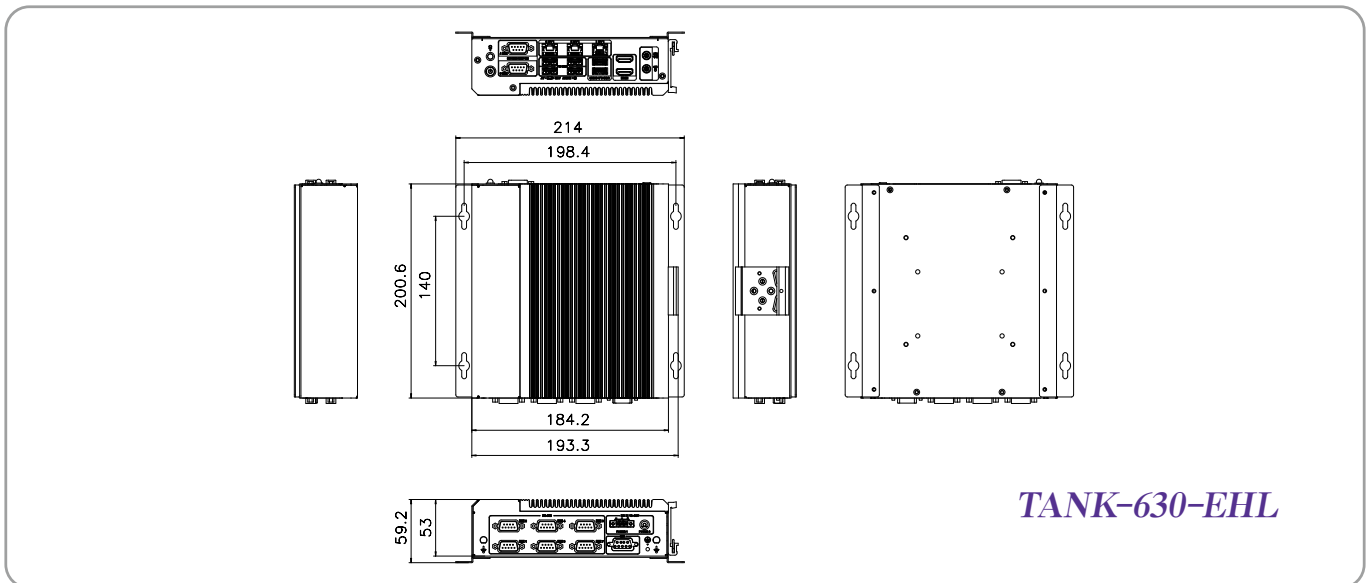
Specifications

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 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) 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) 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) 1 x 2042/52/80 B-key (SATA/USB 2.0) 1 x 2280 M-key (PCIe Gen3 x2)
Power	Power Input	DC Jack: 12 ~ 28V DC 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)



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-R10	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
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