

HAWK-3I130TW

Fanless Embedded Computer with
13th Gen Intel® Raptor Lake-U Processor



DIO & Mobile Rack by OEM option.



Features:

- Intel® 13th Gen Raptor Lake-U, i7 / i5 / i3, Pentium CPU
- Intel® 12th Gen Alder Lake-U, i7 / i5 / i3, Celeron CPU
- Onboard LPDDR5, 16GB / 32GB
- Multiple Independent display:
1 x HDMI, 1 x DP, 1 x Type C DP ALT Mode
- 5 x Intel 2.5 GbE LAN, 3 x USB 3.2, 1 x USB 2.0
- 1 x M.2 M Key, 2 x M.2 BKey, 1 x Nano SIM
- 2 x COM, 4DI / 4DO, TPM 2.0, SMBus, I²C
- ISO Wide Range DC-IN, CPC-Ignition on/off control

Specifications :

| | | |
|------------------------------|---|---|
| Motherboard | 3I130TW | |
| CPU | Intel® 13th Gen Raptor Lake-U, i7 / i5 / i3, Pentium CPU Intel® 12th Gen Alder Lake-U, i7 / i5 / i3, Celeron CPU | |
| Chipset | Intel Raptor LakeU ; Alder Lake-U SoC | |
| Memory | Onboard LPDDR5, 16GB / 32GB | |
| Storage | OEM option-Onboard (256GB / 512 GB / 1TB) NVMe, Mobile Rack x 2 (option), M.2-SSD | |
| Expansion slots | 1 x M.2 B key Type 2242 / 3042 (PCIe x1 / USB 2.0) 1 x M.2 M key Type 2242 / 3042 / 3080 (PCIe x 4), Support NVMe 1 x M.2 B key Type 2242 / 3042 / 3052 (USB 3.2 Gen 1 x 1 / USB 2.0) 1 x Nano SIM | |
| I/O ports | Network | 5 x Intel 2.5GbE I226-IT |
| | USB | 3 x USB 3.2 Gen 1 x1, 1 x USB 2.0 1 x Type C USB 3.2 |
| | Serial ports | 2 ISO RS232 / 422 / 485 |
| | Display | 1 x HDMI, 1 x DP, 1 x Type C DP ALT Mode |
| | GPIO | 4 x DI / 4 x DO (option) |
| | HD Audio | Line-out / Mic-in |
| Optional Modules & Accessory | *SATA Kit *VESA Mounting Kit *System Mounting Kit | |
| OS Support | Windows® 10 IOT ; Windows® 11 IOT Ubuntu 22.04 above, Fedora 36 above | |

Mechanical

| | |
|------------|---|
| Dimensions | 220W x 172.6D x 80H mm 220W x 176.6D x 80H mm (Mobile Rack-option) |
| Weight | 3.6 kg |
| Mounting | *System Mount *VESA Mount |

Power

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|----------|---|
| DC input | <ul style="list-style-type: none"> • ISO Wide Range DC IN +9~36V ; CPC-Ignition on/off control • Wide Range DC IN +18~75V (option) • Isolation Power Module: 1.5KVDC I/O isolation • power brick 1/4 CQB100W-24S12 9~36V IN / 12V Out 100W(SYS) (Standard SPEC) • power brick 1/4 CQB100W-48S12 18~75V IN / 12V Out 100W(SYS) (OEM SPEC) |
|----------|---|

Environment

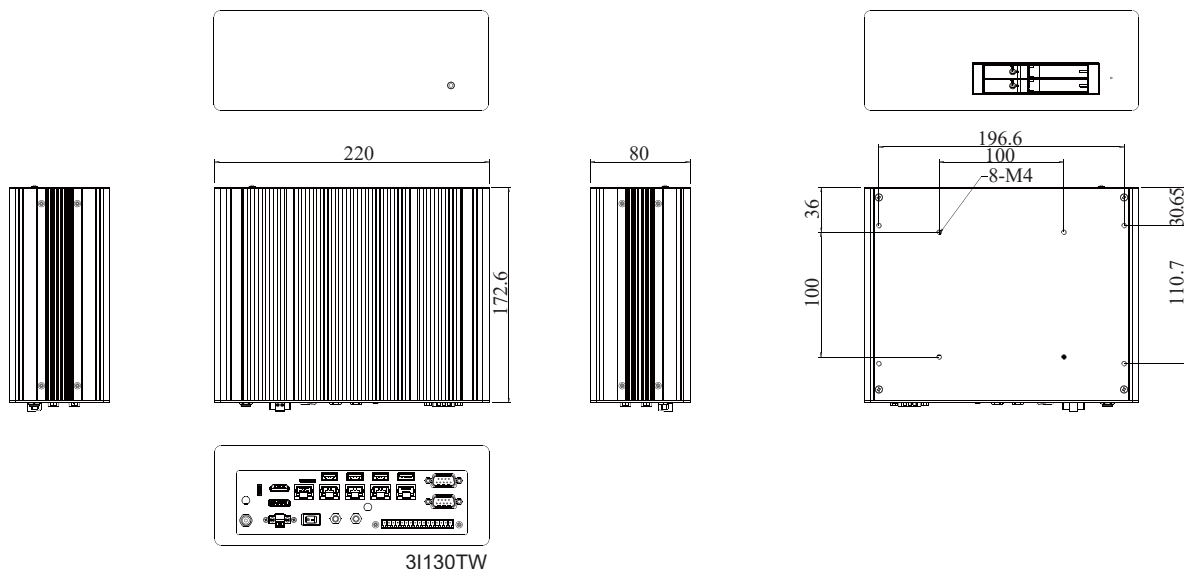
| | |
|-----------------|--|
| Operating Temp. | -40°C~+70°C (under specific environmental & CPU power consumption conditions) |
|-----------------|--|

| | |
|-------------------|----------------------------|
| Storage Temp. | -40°C~70°C |
| Relative Humidity | 95% @ 40°C, non-condensing |

Certification

CE / FCC, EN50155, E13

Dimension



3I130TW

Specification are subject to change without prior notice. ODM / OEM is available.