



HAWK-3I130TW

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

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 3.0, 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
- 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	Onboard (128 / 256 / 512GB) NVMe, Mobile Rack x 2, M.2-SSD	
Expansion slots	1 x M.2 B key Type 3042 (PCIe x1 / USB 2.0) 1 x M.2 M key Type 3042 / 3080 (PCIe x 4), Support NVMe 1 x M.2 B key Type 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 3.0, 1 x USB 2.0 1 x Type C DP ALT Mode
	Serial ports	2 ISO RS232 / 422 / 485
	Display	1 x HDMI, 1 x DP, 1 x Type C USB 3.0
	GPIO	4 x DI / 4 x DO
	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 180D x 80H mm
Weight	3.6 kg
Mounting	*System Mount *VESA Mount

Power

DC input	BR1K Isolate Wide Range DC IN +9~36V ; +18~75V (option), SIP Wide Range DC IN +20~53V (option) CPC-Ignition on/off control
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Environment

Operating Temp. (100 % CPU usage)	-20°C~60°C (Core i UE series CPU) -40°C~60°C (Core i URE series CPU)
Storage Temp.	-20°C to +70°C
Relative Humidity	95% @ 40°C, non-condensing

Dimension

