

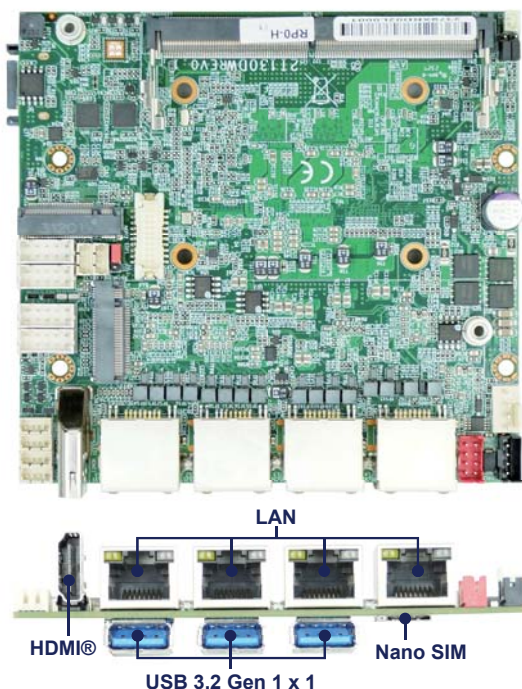
# 2I130DW

2.5" Plus Embedded SBC supports

Intel® 13th Gen Raptor Lake-U ;

Intel® 12th Gen Alder Lake-U i7 / i5 / i3 CPU

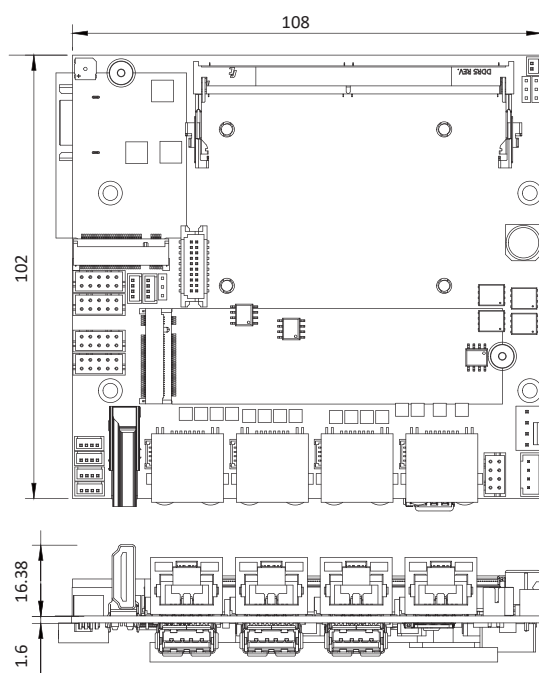
1 x HDMI®, 1 x eDP, 4 x Intel 2.5Gb Ethernet, 2 x M.2, 1 x Nano SIM  
4DI / 4DO, 3 x USB 3.2, 4 x USB 2.0, 2 x COM



## Features:

- Intel® 13th Gen Raptor Lake-U ;  
Intel® 12th Gen Alder Lake-U i7 / i5 / i3 CPU
- 1 x DDR5 SODIMM (Max. 32GB)
- Multiple Independent display: HDMI®, eDP
- 4 x Intel 2.5 GbE LAN, 3 x USB 3.2 Gen 1 x 1 (type A), 4 x USB 2.0
- 2 x COM, 4DI/4DO, \*2 x M.2, 1 x Nano SIM
- TPM 2.0

## Dimensions: (Unit:mm)



## Specifications :

- CPU  
Intel® 13th Gen Raptor Lake-U i7 / i5 / i3, Pentium CPU  
Intel® 12th Gen Alder Lake-U i7 / i5 / i3, Celeron CPU
- MB Chipset  
Intel® Raptor Lake / Alder Lake SoC
- Graphics  
Intel UHD Graphics
- System Memory  
1 x DDR5 5200 / 4800 MHz SODIMM, Max 32GB
- Storage  
1 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s)  
1 x M.2 M key Type 2280 (SATA / PCIe x 4), Support NVMe  
1 x M.2 B key Type 3042 (PCIe x2 / USB 3.2 / 2.0)
- BIOS  
AMI UEFI BIOS
- Display  
1 x HDMI, 1 x eDP
- TPM  
TPM 2.0
- LAN  
4 x Intel 2.5 GbE I226 (external)
- Expansion Interface  
1 x M.2 M key Type 2280 (SATA / PCIe x 4), Support NVMe  
1 x M.2 B key Type 3042 (PCIe x2 / USB 3.2 / 2.0), 1 x Nano SIM

### Expansion Options

|                |                                                                 |
|----------------|-----------------------------------------------------------------|
| <b>CN064</b>   | M.2 B key 2242 to M.2 E Key 2230, WiFi 6 + BT                   |
| <b>CN067</b>   | M.2 B key 2242 to M.2 B Key 2252, 4G / 5G (3.7V by BOM Control) |
| <b>CN059</b>   | USB to Line-out / Mic-in                                        |
| <b>CC007</b>   | USB to 4 port COM                                               |
| <b>CIO116G</b> | SMBus to 8DI + 8DO                                              |
| <b>PW351</b>   | 1 port PoE PSE                                                  |
| <b>PW352</b>   | 2 port PoE PSE                                                  |
| <b>PW301</b>   | 802.3AF / AT PD module                                          |
| <b>PW205</b>   | Wide Range power board (9~36V) with power Ignition on/off delay |
| <b>PW206</b>   | 12V / 24V DC to DC Redundant Power Board                        |
| <b>PW022</b>   | Wide Range power board (24V / 48V)                              |
| <b>DP001</b>   | eDP to VGA                                                      |
| <b>eDP003</b>  | eDP to DVI                                                      |
| <b>eDP004</b>  | eDP to HDMI                                                     |
| <b>eDP001</b>  | eDP to LVDS (OEM)                                               |

- USB  
3 x USB 3.2 Gen 1 x 1 (Type A-external)  
4 x USB 2.0 (internal)
- Serial IO  
2 x RS232 / 422 / 485 (internal)  
\*COM1, COM2 pin9 5V / 12V (Option)
- GPIO  
Hardware digital Input & Output, 4 x DI / 4 x DO
- SMBus / I<sup>2</sup>C  
1 x SMBus / I<sup>2</sup>C
- WDT  
Hardware Watch Dog Timer, 0~255 sec programmable
- Power Input  
Wide Range DC IN +9~36V
- Dimension  
2.5" Plus (108 x 102 mm) ; Weight: 115g
- Operation Temperature (100% CPU Usage)  
-40°C ~ +70°C  
(under specific environmental & CPU power consumption conditions)
- Operation Humidity  
5~95%, non-condensing
- Chassis (OEM I/O Expansion by request)  
SKY 2
- OS Support  
Windows® 10 IoT ; Windows® 11 IoT  
Ubuntu 22.04 above, Fedora 36 above

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