



HAILO
Empowering Intelligence

SKY 2-2I640DW

Computing Vision IPC w /
Intel® Atom® Elkhart Lake 6000 Series CPU &
Pre-installed M.2 Hailo-8™ AI Accelerator

Features:

- Elkhart Lake ATOM® x6413E / J6412 CPU
- Pre-installed M.2 Hailo-8™ AI Accelerator
- 1 x DDR4 SODIMM socket, Max. 32GB
- Multiple Independent display: 2 x HDMI (OEM Option to DP)
- 3 x Intel 2.5 GbE LAN, 2 x USB 3.0, 3 x USB 2.0, 2 x COM
- 2 x M.2, 4DI / 4DO (option), 1 x Nano SIM

Specifications :

| | |
|------------------------------|---|
| Motherboard | 2I640DW |
| CPU | Intel® Elkhart Lake ATOM x6413E Quad Core 3.0 GHz CPU Intel® Elkhart Lake Celeron J6412 Quad Core 2.6 GHz CPU |
| Chipset | Intel Elkhart Lake SoC |
| AI Accelerator | Pre-installed M.2 Hailo-8™ AI Accelerator |
| Memory | 1 x DDR4 SODIMM socket, Max. 32GB |
| Expansion slots | 1 x M.2 B Key Type 2242 / 3042 (PCIe x2 / USB 3.0 / USB 2.0) 1 x M.2 B Key Type 2242 (PCIe x2 / USB 2.0 / SATA) 1 x Nano SIM |
| I/O ports | Network 3 x Intel 2.5 GbE I225 (external) USB 2 x USB 3.0, 3 x USB 2.0 Serial ports 2 x RS232 / 422 / 485 Display 2 x HDMI (OEM Option to DP) |
| Optional Modules & Accessory | GPS, Bluetooth, PoE, WiFi, 4G LTE, Isolated COM, battery UPS, DI / DO, Video Input *VESA / Wall Mounting Kit, DIN Rail Mounting Kit |
| OS Support | Windows® 10 IOT ; Windows® 11 IOT Ubuntu 22.04 above, Ubuntu 22.04 host OS, Hailo SW via Ubuntu container |

Mechanical

| | |
|------------|-------------------------------------|
| Dimensions | 141W x 111.2D x 71.9H mm |
| Weight | 1.25 kg |
| Mounting | DIN Rail Mount*, VESA / Wall Mount* |

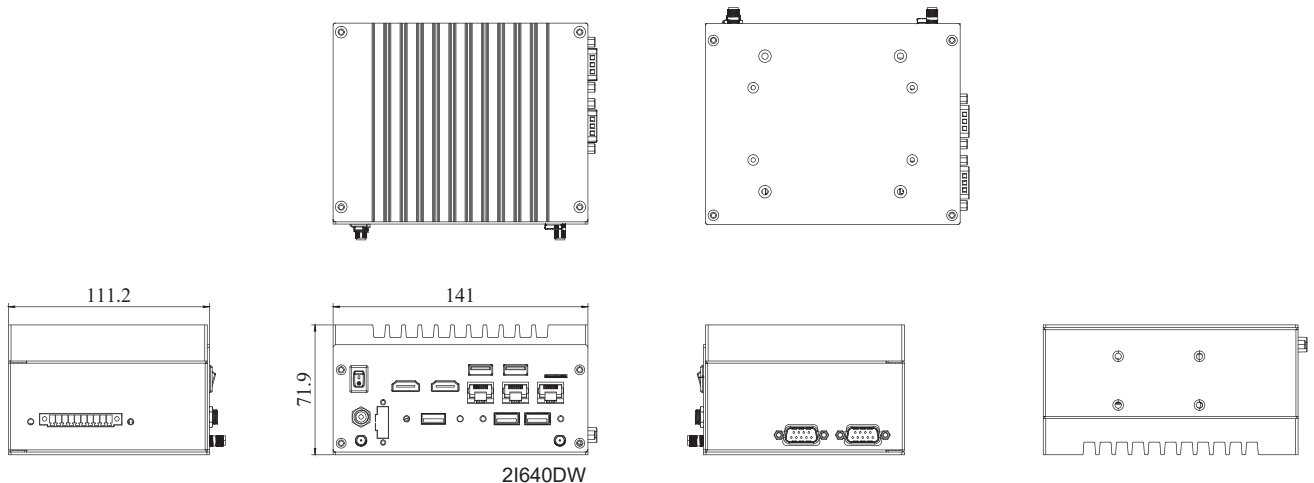
Power

| | |
|----------|--|
| DC input | Wide Range +9-24V |
| AC input | External adapter 100 / 240V (optional) |

Environment

| | |
|-----------------------------------|--|
| Operating Temp. (100 % CPU usage) | -20°C to +60°C (X6413E) 0°C to +60°C (J6412) *With wide range temperature memory & storage |
| Storage Temp. | -20°C to +70°C |
| Relative Humidity | 95% @ 40°C, non-condensing |

Dimension



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