



TERA-2I640DW

Compact Fanless Embedded Computer
with Elkhart Lake ATOM® x6413E
/ J6412 Processor

■ Features:

- Elkhart Lake ATOM® x6413E / J6412 CPU
- 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, 2 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 | |
| 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, 2 x USB 2.0 |
| | Serial ports | 2 x RS232 / 422 / 485 |
| | Display | 2 x HDMI (OEM Option to DP) |
| | DI/O | 4DI / 4DO (option) |
| 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, Fedora 36 above | |

■ Mechanical

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|------------|-------------------------------------|
| Dimensions | 145W x 102.4D x 56.5H mm |
| Weight | 0.88 kg |
| Mounting | DIN Rail Mount*, VESA / Wall Mount* |

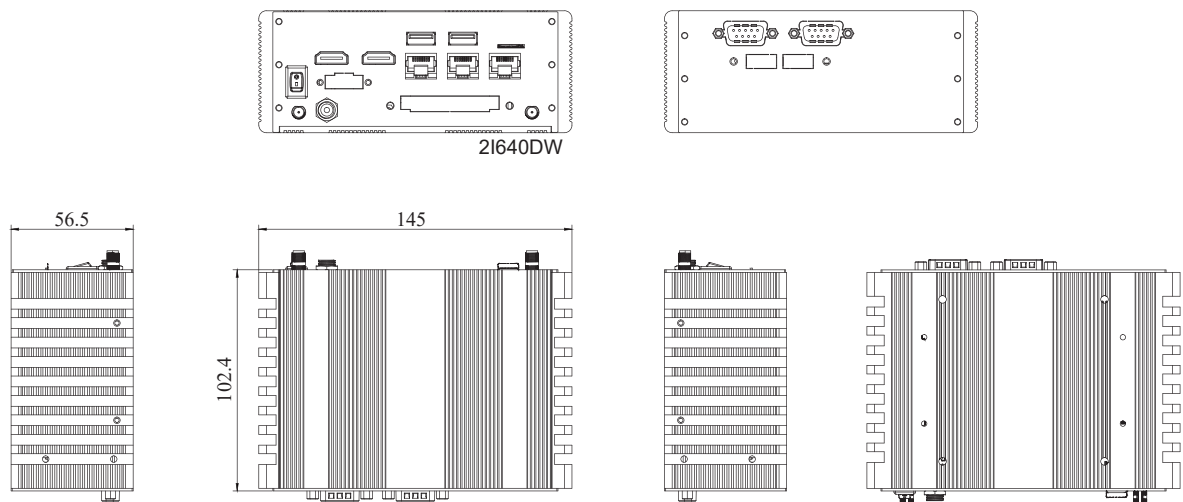
■ Power

| | |
|----------|--|
| 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.