



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
Storage	2 x M.2 NVMe SSD or 1 x M.2 NVMe SSD + 1 x M.2 SATA SSD
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

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

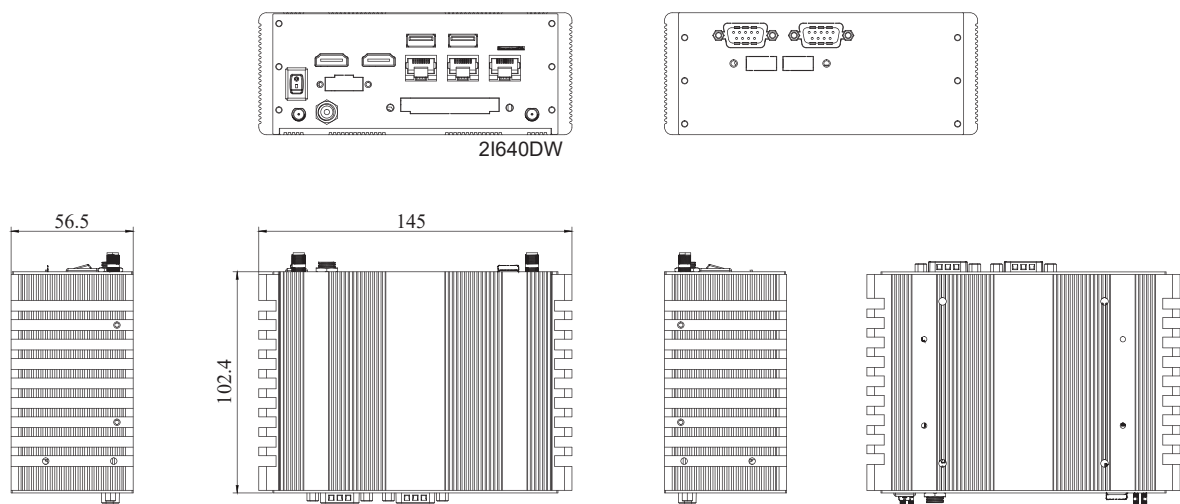
Power

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) ; -40°C by OEM Option 0°C to +60°C (J6412) *With wide range temperature memory & storage
Storage Temp.	-40°C to +70°C
Relative Humidity	95% @ 40°C, non-condensing

Dimension



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