



TERA-2I642DW

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

Features:

- Elkhart Lake ATOM® x6413E / J6412 CPU
- Onboard LPDDR4, 4GB / 8GB / 16GB
- Multiple Independent display: 2 x HDMI® (1Can OEM to DP)
- 3 x Intel 2.5 GbE LAN, 2 x USB 3.0, 2 x USB 2.0, 2 x COM, eMMC 32~256GB
- 2 x M.2, 4DI / 4DO (option), 1 x Nano SIM

Specifications :

Motherboard	2I642DW	
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	Onboard LPDDR4, 4GB / 8GB / 16GB	
Storage	M.2-SSD, eMMC 5.1 32GB~256GB	
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)	
I/O ports	1 x Nano SIM	
	Network	3 x Intel 2.5 GbE (external)
	USB	2 x USB 3.0, 2 x USB 2.0
	Serial ports	2 x RS232 / 422 / 485
	Display	2 x HDMI® (1Can OEM 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

