

(Waterproof)

ARK-I+2I640PW+DM003

Compact Fanless Embedded Computer
with Intel® Elkhart Lake ATOM Processor



■ Features:

- Intel® Elkhart Lake ATOM® x6413E / J6412 CPU
- On Board LPDDR4 4 / 8GB
- Independent display: VGA (M12)
- M12 IO: 2 x Intel 2.5GbE , 4 x COM, 4 x USB 2.0, 1 x DC-Input, Audio, SMBUS / I2C / SPI

■ Specifications :

Motherboard	2I640PW+DM003
CPU	Intel® Elkhart Lake x6413E / J6412 CPU
Chipset	Intel® Elkhart Lake SoC
Memory	On Board LPDDR4 4 / 8GB
Storage	M.2 SSD
Expansion slots	1 x Full-size Mini Card (PCIe / USB 2.0), 1 x M.2 B Key Type 2242 / 3042 (USB 2.0 / PCIe / SATA) 1 x M.2 B Key Type 2242 / 3042 (PCIe x 2)
I/O ports	Network 2 x Intel 2.5GbE (M12) USB 4 x USB 2.0 (2 x M12) Serial ports 4 x COM (M12 x 4) AUDIO Line-out / Mic-in (M12) Communication Protocol SMUBS / I2C / SPI (M12) Display 1 x VGA (M12)
Optional Modules & Accessory	*VESA Mount Kit, *DIN Rail Mounting Kit *External Power Adapter
OS Support	Windows® 10 IOT ; Windows® 11 IOT Ubuntu 22.04 above, Fedora 36 above

■ Mechanical

Dimensions	133W x 150D x 57H mm
Weight	1.4 kg
Mounting	DIN Rail Mount*, VESA Mount*

■ Power

DC input	+9V~36V (M12)
AC input	AC-DC External adapter 100 / 240V (optional)

■ Environment

Operating Temp. (100 % CPU usage)	-20°C to +60°C
Storage Temp.	-20°C to +70°C
Relative Humidity	95% @ 40°C, non-condensing

■ Certification

	CE / FCC class A
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■ Dimension

