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), Mini HDMI®
- M12 IO: 2 x Intel 2.5GbE , 4 x COM, 4 x USB 2.0, 1 x DC-Input, Audio, SMBUS / I2C / SPI
- 1 x USB 3.0, 1 x SIM

Specifications :

Motherboard	2I640PW+DM003	
CPU	Intel® Elkhart Lake x6413E / J6412 CPU	
Chipset	Intel® Elkhart Lake SoC	
Memory	On Board LPDDR4 4 / 8GB	
Storage	SATA. 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 SIM (Push-Push)	
	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), 1 x USB 3.0
	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), 1 x Mini HDMI
Optional Modules & Accessory	GPS, Bluetooth, WiFi, 5G, DI/O, Isolated COM,	
	*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	142W x 128D x 56H mm
Weight	875 g
Mounting	DIN Rail Mount*, VESA Mount*

Power

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

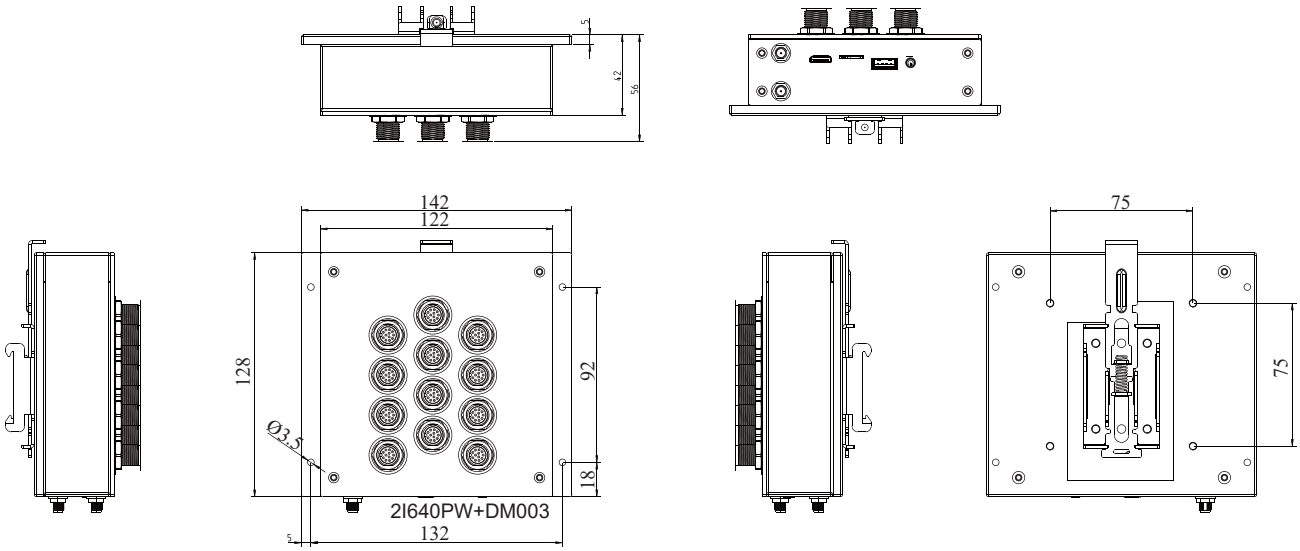
Environment

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

Dimension



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

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