

ADX643-E00H

Embedded DIN-Rail Computer



Specifications

• Intel® Elkhart Lake Atom / Celeron CPU:

Intel® ATOM x6413E 2.7GHz

Intel® Celeron J6412 2.6GHz

Memory

- 1x 260-pin SO-DIMM socket
- Supports up to 32GB DDR4 unbuffered, None ECC

Chipset

- Intel SoC Integrated

Graphic

- Integrated in CPU Intel® UHD Graphics
Support DirectX 12, OpenGL 4.5, OpenCL 2.x
- Video ports: 2x HDMI
- HDMI: resolution up to 4096x2304 @ 60Hz

Ethernet

- 3x Intel® i226-IT 2.5 Gigabit Ethernet Controller

Storage / Drive Bays / Slots

- 1x 2.5" Drive Bay (Optional)
- 1x 2242/3042 M.2 Key-B SATA Slot

RAID / SATA

- 1x SATA 3.0

Expansion Slots

- 1x 2242 M.2 Key-B (PCIe x2 / USB 2.0) Slot
- 1x 2242/3042 M.2 Key-B (SATA / PCIe / USB 2.0) Slot, Primarily for storage use

Front I/O

- 2x HDMI, 3x RJ45 LAN, 1x USB 3.0, 2x USB 2.0
- 2x DB9 RS232/422/485, 1x Nano-SIM Card Slot
- Optional: 1x 8-bit DIO

Other Internal Connectors / Functions

- Onboard Hailo-8™ AI Accelerator

Power Input

- Power input: 9-24V Power Jack connector
- Optional: External Power Adapter 110/240V

Mechanical / Cooling

- Fanless Design, Metall chassis
- Optional Mounting: VESA Mounting, DIN-Rail Mounting
- Power / Reset Button in front

Dimensions

- Dimension (W x H x D mm): 141 x 71.9 x 111.2 mm
- Weight: 1.25 kg

System & Environment

- Operating Temperature: -20°C to 60°C | x6413E; 0°C to 60°C | J6412
- Storage Temperature: -20°C to 70°C
- Humidity: 10 ~ 95%, non-condensing

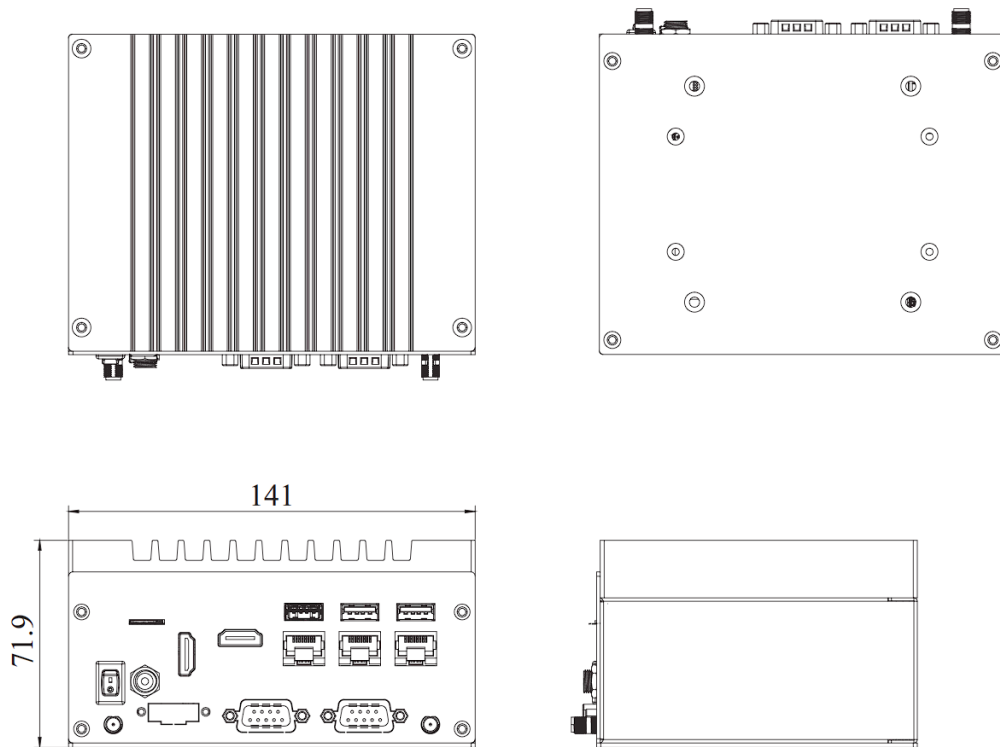
Certifications

- CE / FCC

Operating System Support

- Windows 10 IoT LTSC / Windows 11 IoT / Linux OS

Dimension



Optional Accessories

- 01- Wall Mounting Kit
- 02- DIN-Rail Mounting Kit
- 03- 2.5" Storage Drive SATA Kit

Ordering Information

ADX643-EHA6	Embedded DIN-Rail System, Intel Elkhart Lake Atom x6413E CPU, Up to 32GB DDR4, 3xLAN, 2xCOM, 3xUSB, Hailo-8, 9-24VDC-in, -20..60C
ADX643-EHC6	Embedded DIN-Rail System, Intel Elkhart Lake Celeron J6412 CPU, Up to 32GB DDR4, 3xLAN, 2xCOM, 3xUSB, Hailo-8, 9-24VDC-in, 0..60C