

iKERN-2440-A800

2U Industrial Rackmount Computer



Specifications

CPU

- Intel® Core™ Ultra 5/7/9 2nd Generation:

Ultra 9 285	Ultra 7 265	Ultra 5 245	Ultra 5 225
5.6 GHz	5.3 GHz	5.1 GHz	4.9 GHz

Memory

- 4x 288-pin DIMM sockets
- Supports up to 256GB DDR5 6400/5600 MHz, unbuffered, None ECC

Chipset

- Intel® Q870

Graphic

- Integrated in CPU Intel® Xe-LPG Graphics
Support DirectX 12, OpenGL 4.5, OpenCL 3, Quad View
- Video ports: HDMI, Display Port, 2xUSB-C DP alt, eDP/LVDS
- DP++ 2.1: resolution up to 4096x2160 @ 60Hz
- HDMI 2.1: resolution up to 7680x4320 @ 60Hz
- USB-C: resolution up to 4096x2160 @ 60Hz
- eDP/LVDS: resolution up to 1920x1200 @ 60Hz

Ethernet

- 1x Intel® I219LM Gigabit Ethernet Controller
- 1x Intel® i225V 2.5 Gigabit Ethernet Controller

Storage / Drive Bays / Slots

- 2x 3.5"
- 2x 5.25" (optional pre-assembled with DVDRW)
- 1x 2280/2242 M.2 M-Key (PCIe Gen5 x4) NVMe Slot
- 1x 2280/2242 M.2 M-Key (PCIe Gen4 x4) NVMe Slot

RAID / SATA

- 8x SATA 3.0 (Support RAID 0/1/5/10)

Expansion Slots

- 2x PCIe x16 Gen 5 (1 x16 signal or 2 x8 signal)
- 2x PCIe x4 Gen 4
- 1x 2230 M.2 E-Key (PCIe x1, USB 2.0) Slot

Front I/O

- 2x USB 2.0

Rear I/O

- 1x DP, 1x HDMI, 2x RJ45 LAN, 1x DB9 RS232/422/485
- 1x USB 4 / Thunderbolt 4, 7x USB 3.2 Gen2
- Line-in/out, Mic-in

Other Internal Connectors / Functions

- 4x RS232, 1x RS232/422/485, 2x USB 3.2 Gen1, 1x USB 3.2 Gen2
- 16-bit GPIO, LVDS, USB 4 / Thunderbolt 4, TPM 2.0

Power Supply

- Power input: 500W, 100-240V AC 50~60 Hz, 80 Plus Gold

Cooling

- 2x 80mm Cooler

Mechanical

- Heavy Duty Cold Rolled Electroplated Steel
- Mounting: optional slide-rails
- Power / Reset Button in front

Dimensions

- Dimension (W x H x D mm): 482 x 88,6 x 380 mm
- Weight: 11 kg

Environment

- Operating Temperature: 0°C to 50°C
- Storage Temperature: -20°C to 70°C
- Humidity: 10 ~ 90%, non-condensing

Certifications

- CE

Operating System Support

- Windows 10 / 11 Pro / Windows 10 IoT LTSC / 11 IoT LTSC

Ordering Information

#iKERN-2440-A800