

iKERN-2440-A601

2U Industrial Rackmount Computer



Specifications

CPU

- Intel® Core™ i3/i5/i7/i9/Pentium/Celeron 12th/13th/14th Generation:

i9-14900	i7-14700	i5-14500	i3-14100	i9-13900	i7-13700	i5-13500	i3-13100
5.8 GHz	5.4 GHz	2.6 GHz	3.5 GHz	5.6 GHz	5.2 GHz	2.5 GHz	3.4 GHz
i9-12900	i7-12700	i5-12500	i3-12100	G6900E	G7400E		
5.1 GHz	4.9 GHz	3.0 GHz	3.3 GHz	3.6 GHz	3.0 GHz		

Memory

- 4x 288-pin DIMM sockets
- Supports up to 128GB DDR4 3200 MHz, unbuffered, None ECC

Chipset

- Intel® Q670

Graphic

- Integrated in CPU Intel® UHD Graphics 770 / 730 / 710
Support DirectX 12, OpenGL 4.5, OpenCL 2.1, Quad View
- Video ports: HDMI, Display Port, VGA, LVDS
- DP++ 1.4a: resolution up to 7680x4320 @ 60Hz
- HDMI 2.0b: resolution up to 4096x2160 @ 60Hz
- VGA/LVDS: resolution up to 1920x1200 @ 60Hz

Ethernet

- 1x Intel® i225LM 2.5 Gigabit Ethernet Controller
- 1x Intel® i225LM/V 2.5 Gigabit Ethernet Controller

Storage / Drive Bays / Slots

- 2x 3.5"
- 2x 5.25" (optional pre-assembled with DVDRW)
- 1x 22110 M.2 M-Key (PCIe Gen4 x4) NVMe Slot
- 1x 2280/2260/2242 M.2 M-Key (PCIe Gen3 x4) NVMe Slot

RAID / SATA

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

Expansion Slots

- 2x PCIe x16 Gen 4 (1 x16 signal or 2 x8 signal)
- 2x PCIe x4 Gen 4
- 1x 2230 M.2 E-Key (PCIe x1, USB 2.0) Slot
- 1x 3042/3052 M.2 B-Key (PCIe x1, USB 3.2 Gen1, USB 2.0) Slot w/SIM

Front I/O

- 2x USB 2.0

Rear I/O

- 1x VGA, 1x DP, 1x HDMI, 2x RJ45 LAN, 2x DB9 RS232/422/485
- 1x USB 3.2 Gen2x2 Type-C, 5x USB 3.2 Gen2
- Line-in, Line-out, Mic-in

Other Internal Connectors / Functions

- 4x RS232, 2x USB 2.0, 2x USB 3.2 Gen1
- 16-bit GPIO, LVDS, PS/2, Thunderbolt, 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-A601