

iKERN-4374-P610

4U Industrial 12-Slots Rackmount Computer



Specifications

CPU

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

i9-13900	i7-13700	i5-13500	i3-13100		
5.6 GHz	5.2 GHz	2.5 GHz	3.4 GHz		
i9-12900	i7-12700	i5-12500	i3-12100	G7400	G6900
5.1 GHz	4.9 GHz	3.0 GHz	3.3 GHz	3.0 GHz	3.6 GHz

Memory

- 2x 262-pin SO-DIMM sockets
- Supports up to 64GB DDR5 4800 MHz, unbuffered, None ECC

Chipset

- Intel® R680E

Graphic

- Integrated in CPU Intel® UHD Graphics 770 / 730 / 710
Support DirectX 12, OpenGL 4.5, OpenCL 2.1, Triple View
- Video ports: DVI-D, DisplayPort, HDMI
- DVI-D: resolution up to 1920x1200 @ 60Hz
- DP: resolution up to 4096x2304 @ 60Hz
- HDMI: resolution up to 4096x2304 @ 30Hz

Ethernet

- 2x Intel® WGI225-LM 2.5 Gigabit Ethernet Controller

Storage / Drive Bays / Slots

- 2x 3.5"
- 3x 5.25" (optional pre-assembled with DVDRW)
- 1x 2280 M.2 M-Key (PCIe 4.0 x4) Slot

RAID / SATA

- 4x SATA 3.0 (Support RAID 0/1/5/10)

Expansion Slots

- 1x PCIe x16 Gen 3 (x8 signal)
- 2x PCIe x8 Gen 3 (x4 signal)
- 4x PCIe x4 Gen 3 (x1 signal)
- 4x PCI 32-bit/33 MHz

Front I/O

- 2x USB 2.0

Rear I/O

- 1x DVI-D, 1xHDMI, 1xDP, 2x RJ45 LAN
- 2x USB 3.2 Gen2, 1x USB 3.2 Gen2x2 Type-C

Other Internal Connectors / Functions

- 2x RS232 (external 2xDB9 cable occupied PCIe or PCI slot)
- 2x RS232/422/485 (external 2xDB9 cable occupied PCIe or PCI slot)
- 2x USB 3.2 Gen1 (external 2xUSB Type A cable occupied PCIe or PCI slot)
- 2x USB 2.0 (external 2xUSB Type A cable occupied PCIe or PCI slot)
- 1x8-bit GPIO, TPM 2.0

Power Supply

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

Cooling

- 1x 120mm, 1x 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): 483 x 177 x 451 mm
- Weight: 15 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-4374-P610