

iKERN-4041-S60F

4U Industrial Rackmount Computer



Specifications

CPU

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

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

- 4x 288-pin DIMM sockets
- Supports up to 128GB DDR5 4400/4000 MHz, unbuffered, None ECC or ECC

Chipset

- Intel® W680

Graphic

- Integrated in CPU Intel® UHD Graphics 770 / 730 / 710 Support DirectX 12, OpenGL 4.5, OpenCL 2.1, Triple View
- Video ports: HDMI, Display Port, DVI-D, VGA
- DP++ 1.4a: resolution up to 7680x4320 @ 60Hz
- HDMI 2.0b: resolution up to 4096x2160 @ 60Hz
- DVI-D: resolution up to 1920x1200 @ 60Hz
- VGA: 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"
- 3x 5.25" (optional pre-assembled with DVDRW)
- 3x 2280 M.2 M-Key (PCIe x4 Gen4) Slot (Support RAID 0/1/5)

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 3
- 1x PCI 32-bit/33 MHz

Front I/O

- 2x USB 2.0

Rear I/O

- 1x DP, 1x HDMI, 1x DVI-D, 1xVGA, 2x RJ45 LAN
- 3x USB 3.2 Gen2, 1x USB 3.2 Gen2x2 Type-C, 2x USB 2.0
- Line-in/out, Mic-in

Other Internal Connectors / Functions

- 1x COM, 1x USB 3.2 Gen2x2, 2x USB 3.1 Gen1
- 1x USB 3.2 Gen1 Vertical Type-A
- TPM Header

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-4041-S60F