

iKERN-4052-K200

4U Industrial Rackmount Computer



Specifications

CPU

- Intel® Core™ i3/i5/i7 9th Generation:

i7-9700	i5-9500	i5-9500TE	i3-9100TE
3.0 GHz	3.0 GHz	2.2 GHz	2.2 GHz

Memory

- 4x 288-pin DIMM sockets
- Supports up to 64GB DDR4 2666/2400/2133, unbuffered, None ECC or ECC

Chipset

- Intel® C246

Graphic

- Integrated in CPU Intel® UHD Graphics 630
- Support DirectX 12, OpenGL 4.5, OpenCL 2.1, Triple View
- Video ports: DVI-D, 2x Display Port
- DP 1.2: resolution up to 4096x2160 @ 30Hz
- DVI-D: resolution up to 1920x1200 @ 60Hz

Ethernet

- 1x Intel® i210AT Gigabit Ethernet Controller
- 1x Intel® i219LM with iAMT 12.0 (only Core i7/i5 supports iAMT)

Storage / Drive Bays / Slots

- 5x 3.5"
- 3x 5.25" (optional pre-assembled with DVD/CDRW)
- 1x 2280 M.2 M-Key (PCIe x4) NVMe Slot

RAID / SATA

- 6x SATA 3.0 (Support RAID 0/1/5/10)

Expansion Slots

- 2x PCIe x16 Gen 3 (1x 16 Lanes, 1x 4 Lanes)
- 2x PCIe x8 Gen 3 (2x 1 Lane)
- 1x PCIe x1 Gen 3
- 2x PCI 32 bit / 33 MHz
- 1x 2230 M.2 E-Key (PCIe + USB 2.0) for WLAN/Bluetooth

Front I/O

- 2x USB 2.0

Rear I/O

- 1x DVI-D, 2x DP, 2x RJ45 LAN, 1x DB9 RS232, 2x PS/2 (for KB/M)
- 2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 4x USB 2.0
- Line-in/out, Mic-in

Other Internal Connectors / Functions

- 3x RS232 2.54 mm pitch, Parallel port header
- 2x USB 3.1 Gen1, 1x USB 3.1 Gen2 (stick socket)
- 1x 8-bit GPIO, Infineon SLB9670 TPM V2.0

Power Supply

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

Cooling

- 1x 120mm Front, 2x 80mm (Optional) Rear

Mechanical

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

Dimensions

- Dimension (W x H x D mm): 465.2 x 176 x 430 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 Pro / 10 IoT LTSC
- Optional: Windows 11

Ordering Information

#iKERN-4052-K200