

# iKERN-4374-M610

## 4U Industrial 14-Slots Rackmount Computer



### Specifications

#### CCPU

- 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

- 2x 262-pin SO-DIMM sockets
- Supports up to 64GB DDR5 4800 MHz, unbuffered, None ECC or 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: VGA, Mini DisplayPort, HDMI
- VGA: resolution up to 1920x1200 @ 60Hz
- MiniDP: resolution up to 4096x2304 @ 60Hz
- HDMI: resolution up to 4096x2304 @ 60Hz

#### Ethernet

- 2x Intel® WGI226-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

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

#### Expansion Slots

- 2x PCIe x16 Gen 3 (1 x16 signal or 2 x8 signal)
- 5x PCIe x4 Gen 3
- 4x PCI 32-bit/33 MHz

#### Front I/O

- 2x USB 2.0

#### Rear I/O

- 1x HDMI, 1x Mini DP, 2x RJ45 LAN
- 2x USB 3.2 Gen2

#### 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)
- 4x 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)
- 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

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