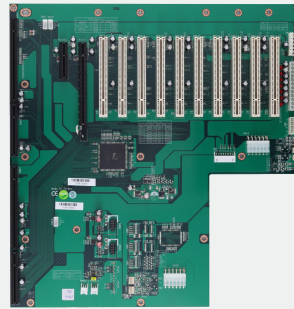


# iKERN-432A-M610

## 4U Industrial 13-Slots 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 DDR5 4400 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, Dual View
- Video ports: DVI-I, DisplayPort (Internal header)
- DVI-I: resolution up to 1920x1200 @ 60Hz
- DP++: resolution up to 4096x2304 @ 60Hz

### Ethernet

- 1x Intel® i225-LM 2.5 Gigabit Ethernet Controller
- 1x Intel® i225-V 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

- 1x PCIe x16 Gen 4
- 1x PCIe x4 Gen 4
- 10x PCI 32-bit/33 MHz
- 1x 2230 M.2 E-Key Slot

### Front I/O

- 2x USB 2.0

### Rear I/O

- 1x DVI-I, 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)
- 1x USB 2.0 Type-A, 2x PS/2 headers, TPM 2.0 Optional, LPT

### 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-432A-M610