

# ICS-4040

4U dual-channel server, Intel Xeon 4th-gen scalable series processors, support up to 24x2.5/3.5" hot-swap drive bay, 7xPCIe expansion slots, 1xVGA, 1xCOM, 6xUSB3.0, 2xLAN, 1xIPMI, direct air channel temperature controlled fan heat dissipation, support different power redundancy power supply.

JHCTECH

物联万物

Intelligent control system



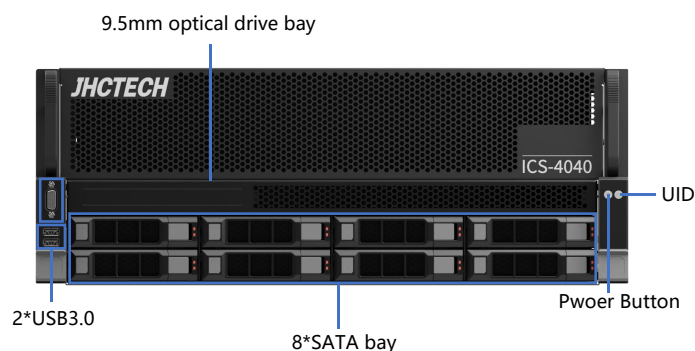
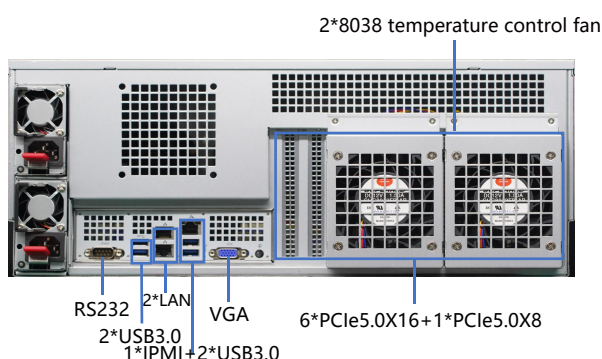
## Key Features

- Supports 1 or 2 Intel Xeon 4th-gen scalable series processors
- 16\*DDR5 slots, 5600MHz ECC RDIMM/3DS RDIMM, up to 4TB memory
- 8x2.5/3.5" hot-swap drive bay+9.5mm optical drive bay(optional 24 drive bay,no optical drive bay), supporting software RAID0/1/5/10
- 6\*PCIe5.0X16, 1\*PCIe5.0X8
- 6\*USB3.0, 1\*VGA,1\*COM, 2\*LAN, 1\*IPMI
- 4\*8038 hot-swap high-speed fan+2\*8038 fan module(rear)
- Supports 550/800/1200/1600/2000/2200W 1+1 redundant power supply

## Product Overview

ICS-4040 is a dual-channel edge computing server, equipped with 1 or 2 4th-gen Intel® Xeon extensible series processors, C741 chipsets, 16 ECC RDIMM/3DS RDIMM DDR5 memory slots, 2 M.2 ports, 2 Gigabit network ports, 1 management network port, 7 PCIe expansion slots, supports a maximum of four full-height, dual-width GPU cards.It has computing and storage capabilities, suitable for artificial intelligence, virtualization, cloud computing, big data processing, distributed storage, enterprise market or telecom business applications.

## IO Layout

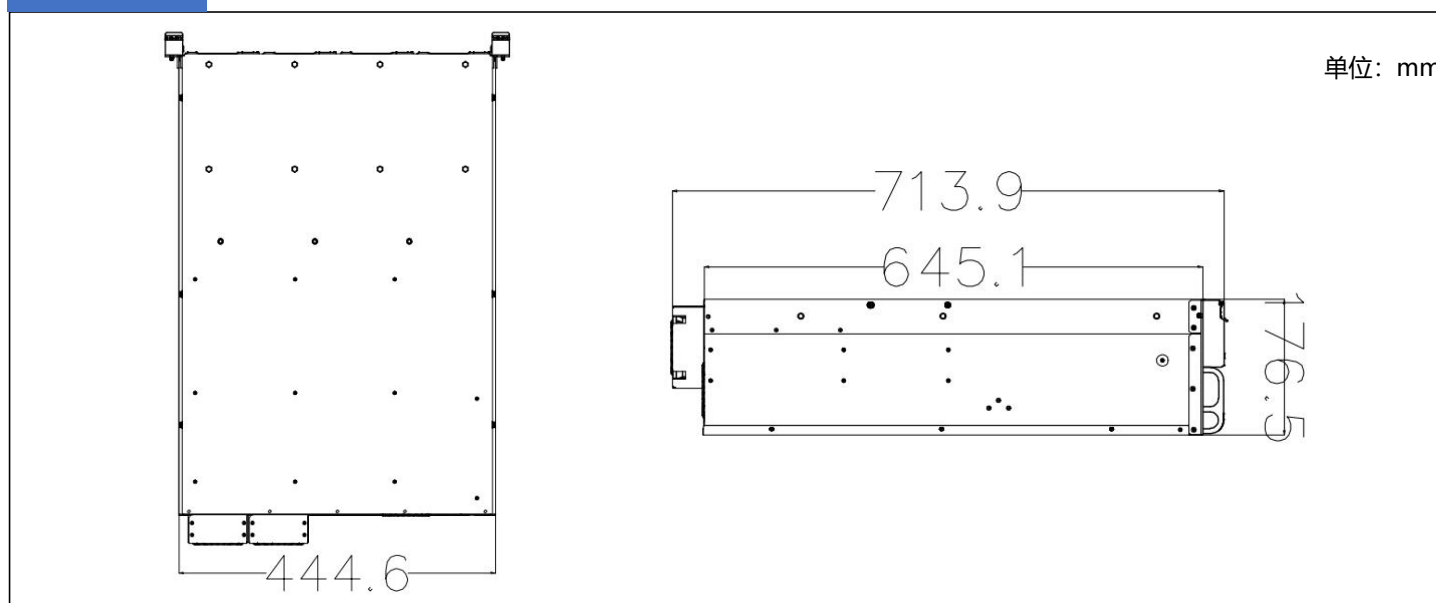


## Product SPEC

|               |                                                                                                                                                                                                                                                                                    |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU+PCH       | 1 or 2 4th-gen Intel® Xeon® Scalable Processors, Intel® C741 PCH                                                                                                                                                                                                                   |
| Memory        | 16*DDR5 memory slots, 5600MHz RDIMM /3DS RDIMM, up to 4TB memory                                                                                                                                                                                                                   |
| Expansion     | 4*PCIe 5.0X16(dual-width slot), 2*PCIe 5.0X16(single-width slot), 1*PCIe5.0X8 (single-width slot), supports a maximum of four dual-width full-height GPU cards, such as RTX 4090, 4080 and 4070. 2*M.2 22110/2280 M-Key(PCIe4.0X4); 3*MCIO(PCIe5.0X8),, support 6 NVMe (PCIe5.0X4) |
| Graphics      | VGA max res. 1920*1200@60Hz                                                                                                                                                                                                                                                        |
| LAN           | 2*I210-AT 10M/100M/1000M adaptive network port;<br>1*IPMI2.0 management network port, Aspeed AST2600 BMC                                                                                                                                                                           |
| Storage       | Front: 8*2.5/3.5 "SAS/SATA3.0 hot swap hard drive bay+9.5mm optical drive bay(optional 24 drive bay, no optical drive bay), support soft ware RAID 0/1/5/10<br>Built-in: 2*2.5" SAS/SATA hard drive bay                                                                            |
| I/O Interface | Front: 2*USB3.0<br>Rear: 1*VGA, 1*COM, 4*USB3.0, 1*IPMI (RJ45) , 2*LAN (RJ45)                                                                                                                                                                                                      |
| Power Supply  | Optional 550W、800W、1200W、1600W、2000W、2200W 1+1 hot swap redundant power supply                                                                                                                                                                                                     |
| Fan           | Straight-line cooling air duct design, built-in 4*8038 temperature control fan, rear 2*8038 temperature control fan                                                                                                                                                                |
| LED           | 1*Power LED(on power button), 2*LAN LED, 1*HDD LED                                                                                                                                                                                                                                 |
| Control SW    | 1*Power SW, 1*RST, 1*UID                                                                                                                                                                                                                                                           |

|                       |                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OS Support            | Microsoft Windows Server、Microsoft Hyper-V Server、Red Hat Enterprise Linux、SUSE Linux Enterprise Server、CentOS、Ubuntu、Oracle Linux、VMware ESXi、Citrix XenServer |
| Structure             | Imported SGCC fingerprint resistant galvanized steel, 19-inch rack 4U standard                                                                                  |
| Dimension             | (L*W*H): 645.1*444.6*176.5mm                                                                                                                                    |
| Net weight            | Net weight:18.0kg; Gross weight: 24.0kg                                                                                                                         |
| Operating temperature | 5 ~ 35°C                                                                                                                                                        |
| Operating Humidity    | 8%~90%RH, Non-condensing                                                                                                                                        |
| Storage Temperature   | -40 ~ 65°C                                                                                                                                                      |
| Storage Humidity      | 5%~95%RH, Non-condensing                                                                                                                                        |

## Dimension



## Ordering Info.

| Model No.         | CPU                                                              | Introduction                                                                                                                                                                                                                                          |                                   |
|-------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ICS-4040-B08-2200 | Intel® Xeon 4th-gen Scalable series processors + Intel® C741 PCH | 16*DDR5 LRDIMM/RDIMM, 2*LAN, 1*IPMI, 6*USB3.0, 1*COM, 1*VGA, 8*3.5/2.5" SAS/SATA bay, 2*2.5" SAS /SATA bay(built-in) ,1*9.5mm optical drive bay, 6*PCIe5.0 X16, 1*PCIe5.0X8, 2*M.2(PCIe 4.0X4), 4*8038 temperature controlfan+2*8038 fan module(rear) | 2200W, 1+1 redundant power supply |
| ICS-4040-B08-2000 |                                                                  |                                                                                                                                                                                                                                                       | 2000W, 1+1 redundant power supply |
| ICS-4040-B08-1600 |                                                                  |                                                                                                                                                                                                                                                       | 1600W, 1+1 redundant power supply |
| ICS-4040-B08-1200 |                                                                  |                                                                                                                                                                                                                                                       | 1200W, 1+1 redundant power supply |
| ICS-4040-B08-800  |                                                                  |                                                                                                                                                                                                                                                       | 800W, 1+1 redundant power supply  |
| ICS-4040-B08-550  |                                                                  |                                                                                                                                                                                                                                                       | 550W, 1+1 redundant power supply  |
| ICS-4040-B24-2200 |                                                                  | 16*DDR5 LRDIMM/RDIMM, 2*LAN, 1*IPMI, 6*USB3.0, 1*COM, 1*VGA, 24*3.5/2.5" SAS/SATA bay, 6*PCIe5.0 X16, 1*PCIe5.0X8, 2*M.2(PCIe 4.0X4), 4*8038 temperature controlfan+2*8038 fan module(rear)                                                           | 2200W, 1+1 redundant power supply |
| ICS-4040-B24-2000 |                                                                  |                                                                                                                                                                                                                                                       | 2000W, 1+1 redundant power supply |
| ICS-4040-B24-1600 |                                                                  |                                                                                                                                                                                                                                                       | 1600W, 1+1 redundant power supply |
| ICS-4040-B24-1200 |                                                                  |                                                                                                                                                                                                                                                       | 1200W, 1+1 redundant power supply |
| ICS-4040-B24-800  |                                                                  |                                                                                                                                                                                                                                                       | 800W, 1+1 redundant power supply  |
| ICS-4040-B24-550  |                                                                  |                                                                                                                                                                                                                                                       | 550W, 1+1 redundant power supply  |
| 2U6HP-LA61-GP     | LGA4677 CPU heatsink, 250W                                       |                                                                                                                                                                                                                                                       |                                   |
| CR672-1U          | 1U rack-mounted chassis guide rail, 672mm depth, 1 pair          |                                                                                                                                                                                                                                                       |                                   |