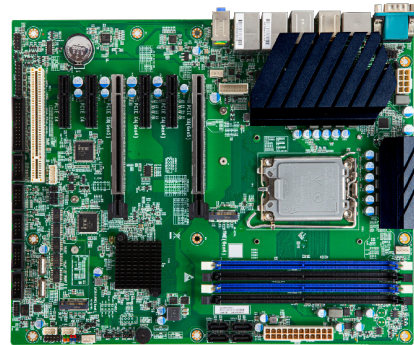


# WSA-68W4-4U

High-Performance Intel 12<sup>th</sup>/13<sup>th</sup>/14<sup>th</sup> Gen 4U Rackmount Industrial PC System

## Features

- Hyper high performance 4U Rackmount Industrial PC
- Support Intel® 14th/13th/12th Gen Processors with W680 PCH
- 4x DDR5 4000 MT/s non-ECC UDIMM slots up to 198GB
- Five PCIe expansion grooves can expand up to 22 stem network ports
- 10 USB3.2 high-speed ports can connect to Industrial cameras
- Four display / 4 SATA / 2 GbE / 14USB / 6COM / 1PCI / 6 PCIe
- Industrial grade IO protection device, blocking ESD and surges
- Using high Tg grade PCB boards to ensure wide temperature stability
- Onboard TPM 2.0



## Specifications

|                         |  |
|-------------------------|--|
| Chassis                 | 4U Rackmount chassis   |
| Disk Drive Bay          | 2x 5.25" External Drive Bays ; 6x 3.25" Internal Drive Bay ; 1x 2.5" Internal Drive Bay  |
| LED Indicators          | Power, HDD   |
| Colour                  | Beige  |
| Dimensions              | 482.6 x 177 x 450 mm   |
| System Power supply     | Option 500W / 600W / 700W / 800 /1000 / 1300W  |
| Processors              | Support LGA1700 packaged Gen12&13&14 i9/i7/i5/i3 CPUs (not supporting G-series), TDP up to 125W, i5 and above support vPro   |
| Chipset                 | Intel W680 PCH   |
| Memory                  | 4 DDR5 U-DIMM memory slots, support dual channels, support ECC memory;<br>With Gen.12 CPU support 2 * DDR5-4800 (black), 4 * DDR5-4000,single 32GB, maximum 128GB;<br>With Gen.13&14 CPU support 2 * DDR5-5600 (black), 4 * DDR5-4000,single 48GB, maximum 192GB;  |
| Storage                 | 4 SATA 3.0 (6 Gb/s) Ports, Support SATA Raid 0 / 1 / 5 / 10<br>2 M.2 2242 / 2280 Key-M supports Nvme (M2-KEYM 2 supports SATA / Nvme adaptation)   |
| BIOS                    | AMI UEFI   |
| Display                 | Intel CPU Integrated display controller (depending on the assigned CPU)<br>Four display output DP + DP + HDMI + DVI-D, support independent four display<br>HDMI: 3840*2160@60Hz ; DP: 5120*2160@60Hz ; DVI-D: 1920*1080@60Hz                                       |
| Ethernet Controller     | 2x Intel high-speed Ethernet ports: LAN1: i226-LM/V2.5Gb; LAN2: i219V  |
| Serial                  | 6 serial port (COM1&2 supports RS232 / 422 / 485, COM3-6 supports RS232)   |
| TPM                     | On board encryption chip SLB9670, supporting TPM2.0  |
| USB                     | 10 rear IO USB3.2 Type A (2 * Gen2 , and 8 * Gen1 ) ;<br>4 intenal USB (2 * USB 2.0 via header, 2 x USB 2.0 Type-A)<br>Chassis front panel USB interface F_USB1 and F_USB2 , choose one from two   |
| AUDIO                   | The rear IO supports MIC-In, Speaker-Out, Line-In three-hole audio, with a reserved front panel audio pin F_Audio  |
| Other                   | PS/2 keyboard and mouse via Y-cable<br>1x Parallel   |
| GPIO                    | 16-bit band isolation digital I / O, providing power supply and ground, + 5V level   |
| LPC/eSPI                | 1 eSPI bus   |
| Expansion Slot          | 2* PCIe 5.0 x16 slot(x8 signal), maximum data bandwidth 32GB/s;<br>2* PCIe 4.0 x4 slot, maximum data bandwidth 8GB/s<br>2* PCIe 3.0 x4 slots, maximum data bandwidth 4GB/s<br>1* Standard PCI slot (32bit)   |
| Watchdog Timer          | 255-level programmable in the mode of seconds/minutes, supports timeout interrupt or system reset  |
| Motherboard Power input | ATX-Power 24P, 12V-8P  |
| Environment             | Operating Temperature: -10 °C ~60 °C , relative humidity 0%~90%, no condensation, air pressure 85-105kPa<br>Storage Temperature: -40 °C ~85 °C , relative humidity 0%~90%, no condensation, air pressure 85~105kPa<br>Operating Humidity: 10%~90% , non-condensing |
| OS                      | Win10 x64 , Win11 x64 , Linux Ubuntu 22.04   |
| Motherboard platform    | ATX, 305mmx 245mm  |

## Ordering Information

| Model name  | Description  |
|-------------|--|
| WSA-68W4-4U | 4U Rackmount IPC system with Intel W680 PCH motherboard, 2xDP+HDMI+DVI-D, 2LAN ,6COM,6 PCIe , 1x PCI Slots |

## Optional Accessories

| Item | Description   |
|------|---|
|      | If you need to buy processors, HDD/SSD, power supply, CPU cooler, system memory and other accessories, please contact us. |