

MPN: SR-2U78R-HW

## 2U 8 Bay Server: Ultra 7 265, 32GB RAM, 2x1TB NVMe, 9560 RAID, 1x2.5GbE, 1x10GbE, IPMI, TPM, dual 800W PSU, Win11 Pro – powerful and scalable.

### 2U 8 Bay Server

This high-performance 2U server features an Ultra 7 265 processor, 32GB RAM, dual 1TB NVMe OS drives. 9560 RAID for speed and redundancy on the 8 front drive bays, and both 2.5GbE and 10GbE network ports for flexible connectivity. With IPMI for remote management, TPM for security, redundant 2x800W power supplies, and Windows 11 Pro pre-installed, it's ideal for demanding, scalable enterprise workloads.

- Short depth: 58CM
- Ultra 7 265 CPU - 2.4-5.3GHz - 20C/20T
- 1x 2.5GbE + 1x 10GbE NICs + dedicated IPMI NIC
- 2x 1TB Samsung PCIe 4.0 NVMe RAID1 OS drive
- Support for up to 8x 3.5" HDDs with HW RAID
- Windows 11 Pro preinstalled
- Suitable for up to 100 4MP cameras @25 FPS



## Specifications

|                 |                                                  |                    |
|-----------------|--------------------------------------------------|--------------------|
| Certificates    | NDAA Compliance                                  | Yes                |
| Design          | Chassis type                                     | Rack               |
|                 | Cooling type                                     | Active             |
|                 | Product colour                                   | Black, Silver      |
|                 | Rack mounting                                    | Yes                |
|                 | Rack rails                                       | Yes                |
| Expansion slots | PCI Express x16 (Gen 5.x) slots                  | 2                  |
|                 | PCI Express x4 slots                             | 1                  |
| Graphics        | Number of displays supported (on-board graphics) | 3                  |
|                 | On-board graphics card                           | Yes                |
|                 | On-board graphics card 4K support                | Yes                |
|                 | On-board graphics card family                    | Intel Arc Graphics |
|                 | On-board graphics card model                     | Intel Arc Graphics |
| Memory          | ECC                                              | No                 |
|                 | Internal memory                                  | 32 GB              |
|                 | Internal memory type                             | DDR5               |
|                 | Maximum internal memory                          | 256 GB             |

|                    |                                                 |                                                             |
|--------------------|-------------------------------------------------|-------------------------------------------------------------|
| Memory             | Memory data transfer rate                       | 4800 MT/s                                                   |
|                    | Memory layout (slots x size)                    | 2 x 16 GB                                                   |
|                    | Memory slots                                    | 4                                                           |
| Network            | Ethernet interface type                         | 2.5 Gigabit Ethernet, 10 Gigabit Ethernet, Gigabit Ethernet |
|                    | Ethernet LAN                                    | Yes                                                         |
|                    | LAN controller                                  | Intel I225-V, Marvell AQtion AQC113C                        |
|                    | Number of LAN controllers                       | 2                                                           |
| Other features     | Integrated BMC with IPMI                        | Yes                                                         |
|                    | Integrated LAN                                  | Yes                                                         |
|                    | RAID controller type                            | Hardware                                                    |
|                    | Warranty period                                 | 3 year(s)                                                   |
| Performance        | Trusted Platform Module (TPM)                   | Yes                                                         |
|                    | Trusted Platform Module (TPM) version           | 2.0                                                         |
| Ports & interfaces | Ethernet LAN (RJ-45) ports                      | 2                                                           |
|                    | HDMI ports quantity                             | 1                                                           |
|                    | HDMI version                                    | 2.1                                                         |
|                    | USB 2.0 ports quantity                          | 2                                                           |
|                    | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 6                                                           |
|                    | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 1                                                           |
|                    | VGA (D-Sub) ports quantity                      | 1                                                           |
| Power              | Number of main power supplies                   | 2                                                           |
| Processor          | Cache internal                                  | 36 MB                                                       |
|                    | Efficient cores                                 | 12                                                          |
|                    | Efficient-core base frequency                   | 1.8 GHz                                                     |
|                    | Motherboard chipset                             | Z890                                                        |
|                    | Performance cores                               | 8                                                           |
|                    | Performance-core base frequency                 | 2.4 GHz                                                     |
|                    | Performance-core Max Turbo Frequency            | 5.3 GHz                                                     |
|                    | Processor cores                                 | 20                                                          |
|                    | Processor family                                | Intel® Core™ Ultra Processor                                |
|                    | Processor manufacturer                          | Intel                                                       |
|                    | Processor model                                 | 265                                                         |
|                    | Processor socket                                | LGA 1851 (Socket V1)                                        |
|                    | Processor threads                               | 20                                                          |
| Software           | Operating system installed                      | Windows 11 Pro                                              |
|                    | Operating system language                       | Multilingual                                                |
| Storage            | Number of HDDs supported                        | 8                                                           |

|                    |                                    |                                                             |
|--------------------|------------------------------------|-------------------------------------------------------------|
| Storage            | Number of SSDs installed           | 2                                                           |
|                    | Number of SSDs supported           | 4                                                           |
|                    | NVMe                               | Yes                                                         |
|                    | RAID controller cache              | 4 GB                                                        |
|                    | RAID levels                        | 0, 1, 5, 6                                                  |
|                    | SSD capacity                       | 1 TB                                                        |
|                    | SSD size                           | M.2                                                         |
|                    | Supported HDD sizes                | 2.5, 3.5 "                                                  |
|                    | Supported storage drive interfaces | M.2, SAS, Serial ATA III                                    |
|                    | Total storage capacity             | 1 TB                                                        |
| Vendor information | Brand Name                         | Ernitec                                                     |
|                    | Homepage                           | <a href="http://www.ernitec.com">http://www.ernitec.com</a> |
|                    | Warranty                           | 5 Year(s)                                                   |

## Other images

