

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

|                   |                                                  |                                           |
|-------------------|--------------------------------------------------|-------------------------------------------|
| Battery           | Battery Weight (g)                               | 2.5 g                                     |
|                   | Lithium Weight (g)                               | 0.007 g                                   |
| 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                        |
| Legal Information | ADR Information                                  | UN3091 - Lithium METAL (inside equipment) |
|                   | Country of Origin                                | Denmark                                   |

|                    |                                                 |                                                             |
|--------------------|-------------------------------------------------|-------------------------------------------------------------|
| Legal Information  | EU ECCN Code                                    | N/A                                                         |
|                    | Tariff No.                                      | 8471490000                                                  |
|                    | UNSPSC Code                                     | 43211501                                                    |
|                    | US ECCN Code                                    | 5A992C                                                      |
| Memory             | ECC                                             | No                                                          |
|                    | Internal memory                                 | 32 GB                                                       |
|                    | Internal memory type                            | DDR5                                                        |
|                    | Maximum internal memory                         | 256 GB                                                      |
|                    | 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)                                                   |
| Package dimensions | Depth (package,cm)                              | 83 cm                                                       |
|                    | Gross Weight (Package, kg)                      | 16 kg                                                       |
|                    | Height (package,cm)                             | 19 cm                                                       |
|                    | Width (package,cm)                              | 59 cm                                                       |
| 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                                                           |

|                    |                                      |                                                             |
|--------------------|--------------------------------------|-------------------------------------------------------------|
| Processor          | 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                                                          |
| Product dimensions | Net Weight (Product, kg)             | 13 kg                                                       |
|                    | Product Depth                        | 58 cm                                                       |
|                    | Product Height                       | 8.7 cm                                                      |
|                    | Product Width                        | 44.4 cm                                                     |
| Software           | Operating system installed           | Windows 11 Pro                                              |
|                    | Operating system language            | Multilingual                                                |
| Storage            | Number of HDDs supported             | 8                                                           |
|                    | 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

