

MPN: SR-2U5F4

**2U server with Ultra 5 225, 16GB, 1TB NVMe, 2.5GbE/1GbE, TPM, 550W, Win11 Pro; supports 4x3.5" HDDs and optional redundant PSU.**

This versatile 2U server delivers a strong balance of performance, expandability, and reliability for modern workloads. Powered by the Ultra 5 225 processor and paired with 16GB of memory, it provides smooth multitasking and efficient processing for business applications, virtualization, or edge deployments. The included 1TB NVMe SSD ensures rapid boot times and high-speed data access.



Networking is flexible and robust with both 1x2.5GbE and 1x1GbE ports, making it suitable for diverse infrastructure environments. Hardware-level security is enhanced through an integrated TPM module, while Windows 11 Pro offers a familiar and secure operating system foundation.

The 2U chassis supports up to four internal 3.5" HDDs, giving you ample room for future storage expansion. A 550W power supply comes standard, and the system can be upgraded with an additional 550W PSU to enable full redundant power for mission-critical uptime.

This server is an excellent choice for organizations seeking a dependable, scalable platform that can grow with their needs.

- Intel Core Ultra 5 225 - 10C/10T 3.3-4.9GHz
- 16GB DDR5 - 4800MT
- 1TB PCIe 4.0 NVMe OS drive
- Support for up to 4x 3.5" HDDs internally
- Windows 11 Pro preinstalled
- Single 550W GOLD+ PSU - Redundant PSU supported via optional add-on: SP-PSU-550W-CRPS
- Optional Railkits: E-23INCH-RAILKIT or E-28INCH-RAILKIT-R200
- To reduce waste only Euro CEE 7 to C13 power cables are included.

**Specifications**

|                 |                                                  |               |
|-----------------|--------------------------------------------------|---------------|
| Certificates    | NDA Compliance                                   | Yes           |
| Design          | Chassis type                                     | Rack          |
|                 | Cooling type                                     | Active        |
|                 | Motherboard form factor                          | micro ATX     |
|                 | Product colour                                   | Black, Silver |
|                 | Rack mounting                                    | Yes           |
|                 | Rack rails                                       | No            |
|                 |                                                  |               |
| Expansion slots | PCI Express x16 (Gen 5.x) slots                  | 1             |
|                 | PCI Express x4 slots                             | 1             |
| Graphics        | Discrete graphics card                           | No            |
|                 | Number of displays supported (on-board graphics) | 2             |

|                    |                                                 |                                        |
|--------------------|-------------------------------------------------|----------------------------------------|
| Graphics           | On-board graphics card                          | Yes                                    |
|                    | On-board graphics card 4K support               | Yes                                    |
|                    | On-board graphics card family                   | Intel® Graphics                        |
|                    | On-board graphics card model                    | Intel® Graphics                        |
| Memory             | ECC                                             | No                                     |
|                    | Internal memory                                 | 16 GB                                  |
|                    | Internal memory type                            | DDR5                                   |
|                    | Maximum internal memory                         | 256 GB                                 |
|                    | Memory data transfer rate                       | 4800 MT/s                              |
|                    | Memory layout (slots x size)                    | 1 x 16 GB                              |
|                    | Memory slots                                    | 4                                      |
| Network            | Ethernet interface type                         | 2.5 Gigabit Ethernet, Gigabit Ethernet |
|                    | Ethernet LAN                                    | Yes                                    |
|                    | Number of LAN controllers                       | 2                                      |
| Other features     | Dimensions (WxDxH)                              | 504x432.4x88 mm                        |
|                    | Hot-swap HDD bays                               | No                                     |
|                    | Integrated BMC with IPMI                        | No                                     |
|                    | Integrated LAN                                  | Yes                                    |
|                    | Number of SATA connectors                       | 4                                      |
|                    | RAID controller type                            | Software                               |
| Packaging content  | Cables included                                 | Power                                  |
| Performance        | BIOS type                                       | UEFI AMI                               |
|                    | Export Control Classification Number (ECCN)     | 5A992C                                 |
|                    | Trusted Platform Module (TPM)                   | Yes                                    |
|                    | Trusted Platform Module (TPM) version           | 2.0                                    |
| Ports & interfaces | DisplayPorts quantity                           | 1                                      |
|                    | Ethernet LAN (RJ-45) ports                      | 2                                      |
|                    | HDMI ports quantity                             | 1                                      |
|                    | HDMI version                                    | 2.1                                    |
|                    | Number of SATA III connectors                   | 4                                      |
|                    | USB 2.0 ports quantity                          | 3                                      |
|                    | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity | 4                                      |
|                    | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 2                                      |
|                    | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 1                                      |
| Power              | Number of main power supplies                   | 1                                      |
|                    | Number of redundant power                       | 1                                      |

|                   |                                              |                              |
|-------------------|----------------------------------------------|------------------------------|
| Power             | supplies installed                           | 1                            |
|                   | Number of redundant power supplies supported | 2                            |
|                   | Power supply                                 | 550 W                        |
|                   | Redundant power supply (RPS) support         | Yes                          |
| Processor         | Efficient cores                              | 4                            |
|                   | Efficient-core base frequency                | 2.7 GHz                      |
|                   | Motherboard chipset                          | B860                         |
|                   | Performance cores                            | 6                            |
|                   | Performance-core base frequency              | 3.3 GHz                      |
|                   | Performance-core Max Turbo Frequency         | 4.9 GHz                      |
|                   | Processor cache                              | 20 MB                        |
|                   | Processor cache type                         | Smart Cache                  |
|                   | Processor cores                              | 10                           |
|                   | Processor family                             | Intel® Core™ Ultra Processor |
|                   | Processor generation                         | Intel Core Ultra (Series 2)  |
|                   | Processor manufacturer                       | Intel                        |
|                   | Processor model                              | 225                          |
|                   | Processor socket                             | LGA 1851 (Socket V1)         |
|                   | Processor threads                            | 10                           |
|                   | Thermal Design Power (TDP)                   | 65 W                         |
| Software          | Compatible operating systems                 | Windows 11                   |
|                   | Operating system installed                   | Windows 11 Pro               |
|                   | Operating system language                    | Multilingual                 |
| Storage           | Internal drive bays                          | 4                            |
|                   | Number of 5.25" bays                         | 2                            |
|                   | Number of HDDs supported                     | 4                            |
|                   | Number of SSDs installed                     | 1                            |
|                   | Number of SSDs supported                     | 3                            |
|                   | NVMe                                         | Yes                          |
|                   | RAID levels                                  | 0, 1, 10                     |
|                   | RAID support                                 | Yes                          |
|                   | SSD capacity                                 | 1 TB                         |
|                   | SSD interface                                | NVMe                         |
|                   | SSD size                                     | M.2                          |
|                   | Supported HDD sizes                          | 3.5 "                        |
|                   | Supported storage drive interfaces           | M.2, Serial ATA III          |
|                   | Total storage capacity                       | 1 TB                         |
| Technical details | 3.5" HDD support                             | 4                            |
|                   | Chassis dimensions                           | 19.84x17.02x3.46 "           |

Technical details

|                 |           |
|-----------------|-----------|
| Warranty period | 3 year(s) |
|-----------------|-----------|

Vendor information

|            |                                                             |
|------------|-------------------------------------------------------------|
| Brand Name | Ernitec                                                     |
| Homepage   | <a href="http://www.ernitec.com">http://www.ernitec.com</a> |
| Warranty   | 5 Year(s)                                                   |

## Other images

