MPN: SR-2U7F4-HW-IPMI

# 2U server with Ultra 7 265, 16GB, 1TB NVMe, 9361 RAID, 10GbE/2.5GbE, IPMI, TPM, 550W PSU, Win11 Pro; supports 4×3.5" HDDs and optional redundant PSU.



This 2U server is engineered for demanding workloads, offering a strong blend of performance, expandability, and reliability. At its core is the Ultra 7 265 processor paired with 16GB of memory, delivering responsive multitasking and efficient processing for business applications, virtualization, and edge computing. The included 1TB NVMe SSD provides rapid boot times and high-speed data throughput for storage-intensive tasks.

Connectivity is robust with both 1×10GbE and 1×2.5GbE network ports, ensuring flexibility for high-bandwidth environments and mixed-speed infrastructures. Integrated IPMI enables full remote management and monitoring, while the onboard TPM module enhances hardware-level security. Windows 11 Pro comes preinstalled, offering a secure and familiar operating system for professional use.

The chassis supports up to four internal 3.5" HDDs connected to the Broadcom 9361 hardware RAID controller, giving you ample room for future storage expansion. A reliable 550W power supply is included, and the system can be upgraded with an additional 550W PSU to enable redundant power for mission-critical uptime.

This server is an excellent choice for organizations seeking a scalable, remotely manageable, and performance-driven platform that can grow with evolving business needs.

- Intel Core Ultra 7 265 - 20C/20T 2.4-5.3GHz
- 16GB DDR5 - 4800MT
- 1TB PCIe 4.0 NVMe OS drive
- Broadcom 9361-8i hardware RAID controller
- Built in IPMI Interface with dedicated RJ45 port.
- Windows 11 Pro Preinstalled
- Single 550W GOLD+ PSU - Redundant PSU supported via optional add-on
- To reduce waste only Euro CEE 7 to C13 power cables are included.

## Specifications

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|---|---|---|
| **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 |

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|---|---|---|
| **Design** | **Rack rails** | No |
| **Expansion slots** | **PCI Express x16 (Gen 5.x) slots** | 2 |
| | **PCI Express x4 slots** | 1 |
| **Graphics** | **Discrete graphics card** | No |
| | **Number of displays supported (on-board graphics)** | 2 |
| | **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 |
| **Legal Information** | **ADR Information** | UN3091 - Lithium METAL (inside equiment) |
| | **Country of Origin** | Denmark |
| | **EU ECCN Code** | N/A |
| | **Tariff No.** | 8471490000 |
| | **UNSPSC Code** | 43211501 |
| | **US ECCN Code** | 5A992C |
| **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** | 10 Gigabit Ethernet, 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** | Yes |
| | **Integrated LAN** | Yes |
| | **Number of SATA connectors** | 8 |
| | **RAID controller type** | Hardware (Storage drives) |
| **Package dimensions** | **Depth (package,cm)** | 68.2 cm |
| | **Gross Weight (Package, kg)** | 12 kg |
| | **Height (package,cm)** | 20.4 cm |
| | **Width (package,cm)** | 56.3 cm |
| **Packaging content** | **Cables included** | Power |
| **Performance** | **BIOS type** | UEFI AMI |
| | **Export Control Classification** | 5A992C |

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| **Performance** | **Number (ECCN)** | 5A992C |
| | **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** | 1 |
| | **Number of redundant power supplies installed** | 1 |
| | **Number of redundant power supplies supported** | 2 |
| | **Power supply** | 550 W |
| | **Redundant power supply (RPS) support** | Yes |
| **Processor** | **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 cache** | 30 MB |
| | **Processor cache type** | Smart Cache |
| | **Processor cores** | 20 |
| | **Processor family** | Intel® Core™ Ultra Processor |
| | **Processor generation** | Intel Core Ultra (Series 2) |
| | **Processor manufacturer** | Intel |
| | **Processor model** | 265 |
| | **Processor socket** | LGA 1851 (Socket V1) |
| | **Processor threads** | 20 |
| | **Thermal Design Power (TDP)** | 65 W |
| **Processor special features** | **Processor ARK ID** | 241068 |
| **Product dimensions** | **Net Weight (Product, kg)** | 10 kg |
| | **Product Depth** | 50.4 cm |
| | **Product Height** | 8.8 cm |
| | **Product Width** | 43.3 cm |

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| **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** | 4 |
| | **NVMe** | 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, SAS |
| | **Total storage capacity** | 1 TB |
| **Technical details** | **3.5" HDD support** | 4 |
| | **Chassis dimensions** | 19.84x17.02x3.46 " |
| | **Warranty period** | 3 year(s) |
| **Vendor information** | **Brand Name** | Ernitec |
| | **Homepage** | http://www.ernitec.com |
| | **Warranty** | 5 Year(s) |

## Other images



