MPN: SR-2U5F4

2U server with Ultra 5 225, 16GB, 1TB NVMe, 2.5GbE/1GbE, TPM, 550W, Win11 Pro; supports 4×3.5" 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 1×2.5GbE and 1×1GbE 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

Battery	**Battery Weight (g)**	2.5 g
	Lithium Weight (g)	0.007 g
Certificates	**NDAA 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
	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**	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
Package dimensions	**Depth (package,cm)**	69 cm
	Gross Weight (Package, kg)	12 kg
	Height (package,cm)	21 cm
	Width (package,cm)	57 cm
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 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
Product dimensions	**Net Weight (Product, kg)**	10 kg
	Product Depth	50.4 cm
	Product Height	88 cm
	Product Width	43.2 cm
Software	**Compatible operating systems**	Windows 11
	Operating system installed	Windows 11 Pro

Software	**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 "
	Warranty period	3 year(s)
Vendor information	**Brand Name**	Ernitec
	Warranty	5 Year(s)

Other images





