

MPN: SR-1C7

i7-12700, 16GB, 500GB NVMe, 2x 2.5GbE, IPMI, 1x 350W, Windows 11 Pro

Compact 1U Rack Server — Intel Core i7-12700

A short-depth 1U server for installations where rack space is limited but reliability isn't negotiable. At just 369 mm deep, it fits shallow comms cabinets and wall-mount racks that won't take a standard server.



The Intel Core i7-12700 delivers 12 cores and 20 threads with boost up to 4.9 GHz, paired with 16 GB DDR5 4000 MT/s memory and a 1 TB Samsung 990 Pro NVMe SSD for fast boot and application response. The Supermicro X13SAZ-F embedded motherboard adds dual 2.5 Gigabit LAN with vPro, onboard TPM 2.0, and four SATA3 ports with RAID support.

Full remote management is included via IPMI 2.0 with KVM over a dedicated LAN port, so the system can be power-cycled, re-imaged or accessed at BIOS level from anywhere — no site visit required.

Two internal 3.5" bays and two free DIMM slots (up to 128 GB) leave room to expand, and one full-height expansion slot is available for additional network or capture cards. Powered by a 350 W 80 PLUS Platinum supply with quiet counter-rotating cooling.

Delivered with Windows 11 Pro pre-installed and ready to deploy.

Key specs: Intel Core i7-12700 (12C/20T, 4.9 GHz) · 16 GB DDR5 4000 MT/s · 1 TB Samsung 990 Pro NVMe · 2 × 2.5 GbE · IPMI 2.0 remote management · 350 W 80 PLUS Platinum · 1U, 369 mm depth · Windows 11 Pro

- 12th Gen Intel Core i7 12700 - 12C/20T 2.1-4.9GHz
- 16GB DDR5
- 1TB NVMe OS drive
- Remote manage via IPMI
- Windows 11 Pro
- 1U formfactor
- Single 350W PSU
- To reduce waste only Euro CEE 7 to C13 power cables are included.

Specifications

Battery	Lithium Weight (g)	0.065 g
Design	Chassis type	Rack
	Rack mounting	Yes
	Rack rails	No
Expansion slots	PCI Express x16 (Gen 4.x) slots	1
Graphics	Discrete graphics card	No
	On-board graphics card 4K support	Yes
	On-board graphics card model	Intel UHD Graphics 770

Legal Information	ADR Information	UN3091 - Lithium METAL (inside equipment)
	Country of Origin	Denmark
	EU ECCN Code	N/A
	Tariff No.	8471490000
	UNSPSC Code	43211501
	US ECCN Code	5A992C
Memory	Buffered memory type	Unregistered (unbuffered)
	ECC	No
	Internal memory	16 GB
	Internal memory type	DDR5
	Memory clock speed	4400 MHz
	Memory layout (slots x size)	2 x 8 GB
	Memory slots	4
Network	Ethernet interface type	2.5 Gigabit Ethernet, Gigabit Ethernet
	Ethernet LAN	Yes
	LAN controller	Intel I225-LM
	Wake-on-LAN ready	Yes
Other features	Controller type	Intel SATA SW RAID
	Drive bays	2
	Form factor	1U
	Hot-swap HDD bays	No
	Integrated BMC with IPMI	Yes
	Intel® Virtualization Technology (Intel® VT)	Yes
	Memory slots (available)	2
	Number of DIMM slots	4
	Number of drive bays	2
	Number of SATA connectors	4
	RAID controller type	Software RAID
	S.M.A.R.T. support	Yes
Package dimensions	Depth (package,cm)	51 cm
	Gross Weight (Package, kg)	8 kg
	Height (package,cm)	16 cm
	Width (package,cm)	56 cm
Packaging content	Keyboard included	No
	Mouse included	No
Performance	BIOS type	UEFI
	Management platform	IPMI
	On-site support	No
	Remote administration	YES
	Trusted Platform Module (TPM)	Yes

Performance	Trusted Platform Module (TPM) version	2.0
Ports & interfaces	DisplayPorts quantity	2
	Ethernet LAN (RJ-45) ports	2
	HDMI ports quantity	1
	Power cables quantity	1
Power	Number of main power supplies	1
	Number of power supply units	1
	Power supply	350 W
Processor	Motherboard chipset	Intel R680E
	Performance cores	8
	Performance-core base frequency	2.1 GHz
	Processor cache type	Smart Cache
	Processor cores	12
	Processor family	Intel Core i7
	Processor frequency	4.9 GHz
	Processor generation	12th gen Intel® Core™ i7
	Processor manufacturer	Intel
	Processor model	i7-12700
	Processor socket	LGA 1700
	Processor threads	20
	Thermal Design Power (TDP)	65 W
Processor special features	Enhanced Intel SpeedStep Technology	Yes
	Intel Virtualization Technology (VT-x)	Yes
	Intel Virtualization Technology for Directed I/O (VT-d)	Yes
	Intel VT-x with Extended Page Tables (EPT)	Yes
	Intel® Active Management Technology (Intel® AMT)	Yes
	Intel® Hyper Threading Technology (Intel® HT Technology)	Yes
	Intel® Quick Sync Video Technology	Yes
	Intel® Smart Cache	Yes
	Processor ARK ID	134591
Product dimensions	Net Weight (Product, kg)	6 kg
	Product Depth	36.8 cm
	Product Height	4.3 cm
	Product Width	43.7 cm
Software	Compatible operating systems	Windows 10/11, Windows Server 2022

Software	Operating system installed	Windows 11 Pro
Storage	Number of HDDs supported	2
	RAID levels	0, 1, 5, 10
	RAID support	Yes
	SSD capacity	500 GB
	SSD interface	NVMe
	SSD size	M.2
	Supported HDD sizes	3.5 "
	Terabytes written (TBW)	300
Technical details	2.5" HDD support	0
	3.5" HDD support	2
	Number of 3.5" bays	0
	Number of storage drives supported	2
	Supported RAID configuration	RAID0 & RAID1
	Warranty period	5 year(s)
Vendor information	Brand Name	Ernitec
	Warranty	3 Year(s)

Other images

