Lenovo

Lenovo ThinkSystem SR250 server 0 GB Rack (1U) Intel Xeon E E-2276G 3.8 GHz 16 GB DDR4-SDRAM 450 W

Brand : Lenovo **Product family:** ThinkSystem **Product code:** 7Y51A07EEA

Product name : SR250

- No OS
- Intel Xeon E-2276G (12MB Cache, 3.8GHz)
- 16GB (2666MHz) DDR4-SDRAM (1 x 16)

Intel Xeon E-2276G (12MB Cache, 3.8GHz), 16GB DDR4-SDRAM (2666MHz), Intel UHD Graphics P630, LAN (Broadcom BCM5720), 450W, No OS

Lenovo ThinkSystem SR250. Processor family: Intel Xeon E, Processor frequency: 3.8 GHz, Processor model: E-2276G. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory layout (slots x size): 1 x 16 GB. Total storage capacity: 0 GB, HDD size: 2.5", HDD interface: Serial ATA III, Serial Attached SCSI (SAS). Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Power supply: 450 W, Redundant power supply (RPS) support. Chassis type: Rack (1U)

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Xeon E
Processor model *	E-2276G
Processor frequency *	3.8 GHz
Processor boost frequency	4.9 GHz
Processor cores	6
Processor cache	12 MB
Motherboard chipset	Intel C246
Number of processors installed	1
Thermal Design Power (TDP)	80 W
Maximum number of SMP processors	1
Processor socket	LGA 1151 (Socket H4)
Processor lithography	14 nm
Processor threads	12
Processor operating modes	64-bit
Processor codename	Coffee Lake
Tcase	73 °C
Tjunction	100 °C
Maximum internal memory supported by processor	128 GB
Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	2666 MHz
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Maximum number of PCI Express lanes	16
PCI Express configurations	1x16, 2x8, 1x8+2x4
Processor package size	37.5 x 37.5 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Scalability	1S
Embedded options available	✘
Memory	
Internal memory *	16 GB
Internal memory type *	DDR4-SDRAM

Network	
Ethernet interface type	Gigabit Ethernet
Ports & interfaces	
Ethernet LAN (RJ-45) ports *	3
USB 2.0 ports quantity	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
VGA (D-Sub) ports quantity	1
Serial ports quantity	1
Expansion slots	
PCI Express x4 (Gen 3.x) slots	1
PCI Express x8 (Gen 3.x) slots	2
PCI Express slots version	3.0
Design	
Chassis type *	Rack (1U)
Product colour	Black
Rack mounting	✔
Rack rails	✔
Performance	
Performance management	XClarity Standard
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Software	
Operating system installed *	✘
Compatible operating systems *	Microsoft Windows Server 2016/2019, Red Hat Enterprise Linux 7/8, SUSE Linux Enterprise Server 12/15, VMware vSphere (ESXi) 6.5/6.7/7.0
Processor special features	
CPU configuration (max)	1
Enhanced Intel SpeedStep Technology	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔

Memory	
Memory slots	4x DIMM
ECC	✔
Memory clock speed	2666 MHz
Memory layout (slots x size)	1 x 16 GB
Maximum internal memory *	128 GB

Storage	
Total storage capacity *	0 GB
HDD interface	Serial ATA III, Serial Attached SCSI (SAS)
HDD size	2.5"
Supported HDD sizes	2.5"
SSD interface	NVMe, NVMe 3.0, PCI Express 3.0
NVMe	✔
RAID support *	✘
Hot-swap	✔
Optical drive type *	✘
Internal drive bays	8

Graphics	
On-board graphics card	✔
On-board graphics card model	Intel UHD Graphics P630
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1200 MHz
Maximum on-board graphics card memory	128 GB
On-board graphics card OpenGL version	4.5
On-board graphics card DirectX version	12.0
Number of displays supported (on-board graphics)	3
On-board graphics card ID	0x3E96
Maximum graphics card memory	16 MB

Network	
LAN controller	Broadcom BCM5720
Ethernet LAN	✔
Cabling technology	10/100/1000Base-T(X)

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® Quick Sync Video Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✔
Intel® OS Guard	✔
Intel Clear Video Technology	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	191043

Power	
Redundant power supply (RPS) support *	✔
Power supply *	450 W
Number of redundant power supplies supported	2
Number of main power supplies	1

Weight & dimensions	
Width	434 mm
Depth	498 mm
Height	43 mm
Weight	9.1 kg

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