



Lenovo ThinkSystem SR250 server 0 GB Rack (1U) Intel Xeon E E-2246G 3.6 GHz 16 GB DDR4-SDRAM 450 W

Brand : Lenovo

Product family: ThinkSystem

Product code: 7Y51A07FEA

Product name : SR250

- No OS

- Intel Xeon E-2246G (12MB Cache, 3.6GHz)

- 16GB (2666MHz) DDR4-SDRAM (1 x 16)

Intel Xeon E-2246G (12MB Cache, 3.6GHz), 16GB DDR4-SDRAM (2666MHz), Intel UHD Graphics P630, LAN (Broadcom BCM5720), 450W, No OS

Lenovo ThinkSystem SR250. Processor family: Intel Xeon E, Processor frequency: 3.6 GHz, Processor model: E-2246G. 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		Network	
Processor manufacturer *	Intel	Ethernet interface type	Gigabit Ethernet
Processor family *	Intel Xeon E	Ports & interfaces	
Processor model *	E-2246G	Ethernet LAN (RJ-45) ports *	3
Processor frequency *	3.6 GHz	USB 2.0 ports quantity	1
Processor boost frequency	4.8 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	1
Processor cores	6	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cache	12 MB	VGA (D-Sub) ports quantity	1
Motherboard chipset	Intel C246	Serial ports quantity	1
Number of processors installed	1	Expansion slots	
Thermal Design Power (TDP)	80 W	PCI Express x4 (Gen 3.x) slots	1
Maximum number of SMP processors	1	PCI Express x8 (Gen 3.x) slots	2
Processor socket	LGA 1151 (Socket H4)	PCI Express slots version	3.0
Processor lithography	14 nm	Design	
Processor threads	12	Chassis type *	Rack (1U)
Processor operating modes	64-bit	Product colour	Black
Processor codename	Coffee Lake	Rack mounting	✓
Tcase	73 °C	Rack rails	✓
Tjunction	100 °C	Performance	
Maximum internal memory supported by processor	128 GB	Performance management	XClarity Standard
Memory types supported by processor	DDR4-SDRAM	Trusted Platform Module (TPM)	✓
Memory clock speeds supported by processor	2666 MHz	Trusted Platform Module (TPM) version	2.0
Execute Disable Bit	✓	Software	
Idle States	✓	Operating system installed *	✗
Thermal Monitoring Technologies	✓	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
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	Processor special features	
Scalability	1S	CPU configuration (max)	1
Embedded options available	✗	Enhanced Intel SpeedStep Technology	✓
Memory		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Internal memory *	16 GB		
Internal memory type *	DDR4-SDRAM		

Memory		Processor special features	
Memory slots	4x DIMM	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
ECC	✓	Intel® Turbo Boost Technology	2.0
Memory clock speed	2666 MHz	Intel® Quick Sync Video Technology	✓
Memory layout (slots x size)	1 x 16 GB	Intel® InTru™ 3D Technology	✓
Maximum internal memory *	128 GB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Storage		Intel® AES New Instructions (Intel® AES-NI)	✓
Total storage capacity *	0 GB	Intel Trusted Execution Technology	✓
HDD interface	Serial ATA III, Serial Attached SCSI (SAS)	Intel VT-x with Extended Page Tables (EPT)	✓
HDD size	2.5"	Intel® Secure Key	✓
Supported HDD sizes	2.5"	Intel TSX-NI	✓
SSD interface	NVMe, NVMe 3.0, PCI Express 3.0	Intel® OS Guard	✓
NVMe	✓	Intel Clear Video Technology	✓
RAID support *	✗	Intel Software Guard Extensions (Intel SGX)	✓
Hot-swap	✓	Intel 64	✓
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Internal drive bays	8	Processor ARK ID	191043
Graphics		Power	
On-board graphics card	✓	Redundant power supply (RPS) support *	✓
On-board graphics card model	Intel UHD Graphics P630	Power supply *	450 W
On-board graphics card base frequency	350 MHz	Number of redundant power supplies supported	2
On-board graphics card dynamic frequency (max)	1200 MHz	Number of main power supplies	1
Maximum on-board graphics card memory	128 GB	Weight & dimensions	
On-board graphics card OpenGL version	4.5	Width	434 mm
On-board graphics card DirectX version	12.0	Depth	498 mm
Number of displays supported (on-board graphics)	3	Height	43 mm
On-board graphics card ID	0x3E96	Weight	9.1 kg
Maximum graphics card memory	16 MB		
Network			
LAN controller	Broadcom BCM5720		
Ethernet LAN	✓		
Cabling technology	10/100/1000Base-T(X)		

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