



## Lenovo ThinkServer RS160 server Rack (1U) Intel® Xeon® E3 v6 E3-1220V6 3 GHz 8 GB DDR4-SDRAM

**Brand :** Lenovo

**Product family:** ThinkServer

**Product code:** 70TG001RUX



**Product name :** RS160

70TG, Xeon E3-1220 v6 4C/3GHz/8MB/72W/DDR4-2400, 1x8GB UDIMM DDR4-2400 ECC, RAID121i, 2x3.5" NHS, 300W 85%

Lenovo ThinkServer RS160. Processor family: Intel® Xeon® E3 v6, Processor frequency: 3 GHz, Processor model: E3-1220V6. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM, Memory layout (slots x size): 1 x 8 GB. HDD interface: Serial ATA, Serial Attached SCSI (SAS). Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Chassis type: Rack (1U)

Processor		Design	
Processor family *	Intel® Xeon® E3 v6	Chassis type *	Rack (1U)
Processor model *	E3-1220V6	<b>Performance</b>	
Processor frequency *	3 GHz	BIOS type	UEFI
Processor boost frequency	3.5 GHz	Trusted Platform Module (TPM)	✓
Processor cores	4	Trusted Platform Module (TPM) version	2.0
Processor cache	8 MB	<b>Software</b>	
Motherboard chipset	Intel® C232	Operating system installed *	✗
Memory channels supported by processor	Dual	Compatible operating systems *	Microsoft Windows 10; Microsoft Windows Server 2012 R2 and 2016; Red Hat Enterprise Linux (RHEL) Server 7; SUSE Linux Enterprise Server (SLES) 11 and 12; VMware vSphere (ESXi) 6.0 and 6.5.
Number of processors installed	1	<b>Processor special features</b>	
Thermal Design Power (TDP)	72 W	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel® Wireless Display (Intel® WiDi)	✗
System bus rate	8 GT/s	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor socket	LGA 1151 (Socket H4)	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor lithography	14 nm	Intel® Turbo Boost Technology	2.0
Processor threads	4	Intel® Quick Sync Video Technology	✗
Processor operating modes	64-bit	Intel® InTru™ 3D Technology	✗
Processor codename	Skylake	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Maximum internal memory supported by processor	64 GB	Intel® Insider™	✓
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory clock speeds supported by processor	1866,2400 MHz	Intel Trusted Execution Technology	✓
Memory bandwidth supported by processor (max)	37.5 GB/s	Intel Enhanced Halt State	✓
Execute Disable Bit	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Idle States	✓	Intel® Secure Key	✓
Thermal Monitoring Technologies	✓	Intel TSX-NI	✓
Maximum number of PCI Express lanes	16	Intel Clear Video Technology	✗
Embedded options available	✗	Intel Software Guard Extensions (Intel SGX)	✓
<b>Memory</b>		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory *	8 GB	Intel 64	✓
Internal memory type *	DDR4-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory slots	4	<b>Storage</b>	
ECC	✓	HDD interface	Serial ATA, Serial Attached SCSI (SAS)
Memory clock speed	2400 MHz	RAID support *	✓
Memory layout (slots x size)	1 x 8 GB		
Maximum internal memory *	64 GB		

Storage		Operational conditions	
Optical drive type *	✘	Operating temperature (T-T)	10 - 35 °C
Graphics		Storage temperature (T-T)	-40 - 60 °C
On-board graphics card	✔	Operating relative humidity (H-H)	8 - 80%
On-board graphics card model	Aspeed AST2400	Storage relative humidity (H-H)	8 - 80%
Network		Operating altitude	0 - 3048 m
Ethernet LAN	✔	Weight & dimensions	
Cabling technology	10/100/1000Base-T(X)	Width	439 mm
Ethernet interface type	Gigabit Ethernet	Depth	411 mm
Ports & interfaces		Height	43 mm
Ethernet LAN (RJ-45) ports *	3	Other features	
USB 2.0 ports quantity	2	Built-in display	✘
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4		
VGA (D-Sub) ports quantity	1		
Serial ports quantity	1		

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