



**ThinkServer RS160 0 GB (1U) E3 v6
E3-1270V6 3.8 GHz 8 GB DDR4-SDRAM**

Lenovo

ThinkServer

70TE0012UX

RS160



ThinkServer RS160. E3 v6, 3.8 GHz, E3-1270V6. 8 GB, DDR4-SDRAM, 1 x 8 GB. 0 GB, SATA, SCSI (SAS). 10/100/1000Base-T(X). (1U)

Processor		Expansion slots	
Processor manufacturer *	Intel	PCI Express slots version	3.0
Processor family *	Intel® Xeon® E3 v6	Design	
Processor model *	E3-1270V6	Chassis type *	Rack (1U)
Processor frequency *	3.8 GHz	Performance	
Processor boost frequency	4.2 GHz	BIOS type	UEFI
Processor cores	4	Trusted Platform Module (TPM)	✓
Processor cache	8 MB	Trusted Platform Module (TPM) version	2.0
Motherboard chipset	Intel® C232	Software	
Memory channels supported by processor	Dual	Operating system installed *	✗
Number of processors installed	1	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.
Thermal Design Power (TDP)	72 W		
Processor cache type	Smart Cache		
System bus rate	8 GT/s		
Processor socket	LGA 1151 (Socket H4)	Processor special features	
Processor lithography	14 nm	CPU configuration (max)	1
Processor threads	8	Enhanced Intel SpeedStep Technology	✓
Processor operating modes	64-bit	Intel® Wireless Display (Intel® WiDi)	✗
Stepping	B0	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Bus type	DMI3	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor codename	Kaby Lake	Intel® Turbo Boost Technology	2.0
Maximum internal memory supported by processor	64 GB	Intel® Quick Sync Video Technology	✗
Memory types supported by processor	DDR3-SDRAM, DDR4-SDRAM	Intel® InTru™ 3D Technology	✗
Memory clock speeds supported by processor	1866,2400 MHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Memory bandwidth supported by processor (max)	37.5 GB/s	Intel® Insider™	✓
Execute Disable Bit	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Idle States	✓	Intel Trusted Execution Technology	✓
Thermal Monitoring Technologies	✓	Intel Enhanced Halt State	✓
Maximum number of PCI Express lanes	16	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel® Secure Key	✓
Processor package size	37.5 x 37.5 mm	Intel TSX-NI	✓
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2	Intel® OS Guard	✓
Processor code	SR326	Intel Clear Video Technology	✗
Scalability	1S	Intel Software Guard Extensions (Intel SGX)	✓
Embedded options available	✗		
Conflict-Free processor	✓		
Memory			
Internal memory *	8 GB		
Internal memory type *	DDR4-SDRAM		

Memory		Processor special features	
Memory slots	4	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
ECC	✓	Intel 64	✓
Memory clock speed	2400 MHz	Intel Secure Key Technology version	1.00
Memory layout (slots x size)	1 x 8 GB	Intel Virtualization Technology (VT-x)	✓
Maximum internal memory *	64 GB	Intel TSX-NI version	1.00
Storage		Processor ARK ID	97479
Total storage capacity *	0 GB	Operational conditions	
HDD interface	Serial ATA, Serial Attached SCSI (SAS)	Operating temperature (T-T)	10 - 35 °C
RAID support *	✓	Storage temperature (T-T)	-40 - 60 °C
Optical drive type *	✗	Operating relative humidity (H-H)	8 - 80%
Graphics		Storage relative humidity (H-H)	8 - 80%
On-board graphics card	✓	Operating altitude	0 - 3048 m
On-board graphics card model	Aspeed AST2400	Weight & dimensions	
Network		Width	439 mm
Ethernet LAN	✓	Depth	411 mm
Cabling technology	10/100/1000Base-T(X)	Height	43 mm
Ethernet interface type	Gigabit Ethernet	Other features	
Ports & interfaces		Built-in display	✗
Ethernet LAN (RJ-45) ports *	3		
USB 2.0 ports quantity	2		
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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