



**ThinkServer RS160 0 GB (1U) ® ® E3 v5**  
**E3-1230V5 3.4 GHz 8 GB DDR4-SDRAM 300 W**

: Lenovo                      : ThinkServer                      : 70TG000FEA  
 : RS160

ThinkServer RS160. : ® ® E3 v5, : 3.4 GHz, : E3-1230V5. : 8 GB, :  
DDR4-SDRAM, : 1 x 8 GB. : 0 GB. : 10/100/1000Base-T(X). : 300 W. : (1U)



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Ethernet LAN (RJ-45) ports *	3
Processor family *	Intel® Xeon® E3 v5	USB 2.0 ports quantity	2
Processor model *	E3-1230V5	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4
Processor frequency *	3.4 GHz	VGA (D-Sub) ports quantity	1
Processor boost frequency	3.8 GHz	Serial ports quantity	1
Processor cores	4	Expansion slots	
Processor cache	8 MB	PCI Express slots version	3.0
Memory channels supported by processor	Dual	Design	
Number of processors installed	1	Chassis type *	Rack (1U)
Thermal Design Power (TDP)	80 W	Performance	
Processor cache type	Smart Cache	BIOS type	UEFI
System bus rate	8 GT/s	Software	
Processor socket	LGA 1151 (Socket H4)	Compatible operating systems *	Microsoft Windows Server 2012 R2/2012 Red Hat Enterprise Linux 6.7/6.8/7.2 SUSE Linux Enterprise Server 11/12 VMware vSphere (ESXi) 6.0Ub/U2
Processor lithography	14 nm		
Processor threads	8	Processor special features	
Processor operating modes	64-bit	CPU configuration (max)	1
Stepping	R0	Enhanced Intel SpeedStep Technology	✓
Bus type	DMI3	Intel® Wireless Display (Intel® WiDi)	✗
Processor codename	Skylake	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory supported by processor	64 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM	Intel® Turbo Boost Technology	2.0
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz	Intel® Quick Sync Video Technology	✗
Memory bandwidth supported by processor (max)	34.1 GB/s	Intel® InTru™ 3D Technology	✗
ECC supported by processor	✓	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Memory voltage supported by processor	1.35 V	Intel® Insider™	✗
Execute Disable Bit	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Idle States	✓	Intel Trusted Execution Technology	✓
Thermal Monitoring Technologies	✓		
Maximum number of PCI Express lanes	16		
PCI Express configurations	1x16, 1x8+2x4, 2x8		
Processor package size	37.5 x 37.5 mm		
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2		

Processor		Processor special features	
Processor code	SR2LE	Intel Enhanced Halt State	✓
Scalability	1S	Intel VT-x with Extended Page Tables (EPT)	✓
Embedded options available	✗	Intel® Secure Key	✓
Graphics & IMC lithography	14 nm	Intel TSX-NI	✓
Processor series	Intel Xeon E3-1200 v5	Intel® OS Guard	✓
Conflict-Free processor	✓	Intel Clear Video Technology	✗
Memory		Intel Software Guard Extensions (Intel SGX)	✓
Internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory type *	DDR4-SDRAM	Intel 64	✓
Memory slots	4x DIMM	Intel Secure Key Technology version	1.00
ECC	✓	Intel Virtualization Technology (VT-x)	✓
Memory clock speed	2133 MHz	Intel TSX-NI version	1.00
Memory layout (slots x size)	1 x 8 GB	Processor ARK ID	88182
Maximum internal memory *	64 GB	Power	
Storage		Power supply *	300 W
Total storage capacity *	0 GB	Number of main power supplies	1
Number of HDDs supported	2	Power supply input frequency	50 - 60 Hz
Supported HDD sizes	3.5"	Weight & dimensions	
RAID support *	✓	Width	438.5 mm
RAID levels	0, 1, 5, 10	Depth	393.7 mm
Optical drive type *	✗	Height	43.2 mm
Graphics		Weight	7.6 kg
On-board graphics card	✓	Other features	
On-board graphics card model	Aspeed AST2400	Security features	Power-on password, administrator password
Network		Integrated BMC with IPMI	✓
Ethernet LAN	✓		
Cabling technology	10/100/1000Base-T(X)		
Ethernet interface type	Gigabit Ethernet		

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