



# Lenovo ThinkServer RD350 server Rack (1U) Intel® Xeon® E5 v4 E5-2620V4 2.1 GHz 16 GB DDR4-SDRAM 750 W

**Brand :** Lenovo

**Product family:** ThinkServer

**Product code:** 70QM0012UX

**Product name :** RD350



Intel Xeon E5-2620 v4 (2.10 GHz), 16GB 2400MHz RDIMM, 8x 2.5" HS, RAID 110i, TSM, 1x 750W Platinum, 1U Rack

Lenovo ThinkServer RD350. Processor family: Intel® Xeon® E5 v4, Processor frequency: 2.1 GHz, Processor model: E5-2620V4. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory layout (slots x size): 1 x 16 GB. HDD size: 2.5", HDD interface: Serial ATA III. Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Power supply: 750 W, Redundant power supply (RPS) support. Chassis type: Rack (1U)



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 2.0 ports quantity	2
Processor family *	Intel® Xeon® E5 v4	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2
Processor model *	E5-2620V4	VGA (D-Sub) ports quantity	2
Processor frequency *	2.1 GHz	Serial ports quantity	1
Processor boost frequency	3 GHz	<b>Expansion slots</b>	
Processor cores	8	PCI Express slots version	3.0
Processor cache	20 MB	<b>Design</b>	
Memory channels supported by processor	Quad	Chassis type *	Rack (1U)
Number of processors installed	1	<b>Performance</b>	
Thermal Design Power (TDP)	85 W	Trusted Platform Module (TPM)	✓
Processor cache type	Smart Cache	<b>Software</b>	
System bus rate	8 GT/s	Operating system installed *	✗
Processor socket	LGA 2011-v3	Compatible operating systems *	Microsoft Windows Server 2012 R2, Microsoft Windows Server 2012, Microsoft Windows Server 2008 R2, SUSE, Linux Enterprise Server, Red Hat Enterprise Linux Server, VMware ESXi
Processor lithography	14 nm	<b>Processor special features</b>	
Processor threads	16	CPU configuration (max)	2
Processor operating modes	64-bit	Enhanced Intel SpeedStep Technology	✓
Stepping	R0	Intel® Identity Protection Technology (Intel® IPT)	✗
Bus type	QPI	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of QPI links	2	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor codename	Broadwell	Intel® Turbo Boost Technology	2.0
Tcase	74 °C	Intel Flex Memory Access	✗
Maximum internal memory supported by processor	1.54 TB	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory types supported by processor	DDR4-SDRAM	Intel Trusted Execution Technology	✓
Memory clock speeds supported by processor	1600,1866,2133 MHz	Intel Enhanced Halt State	✓
Memory bandwidth supported by processor (max)	68.3 GB/s	Intel VT-x with Extended Page Tables (EPT)	✓
ECC supported by processor	✓	Intel Demand Based Switching	✓
Execute Disable Bit	✓	Intel® Secure Key	✓
Idle States	✓		
Thermal Monitoring Technologies	✓		
Maximum number of PCI Express lanes	40		
Processor package size	45 x 52.5 mm		
Supported instruction sets	AVX 2.0		
Processor code	SR2R6		
Scalability	2S		

<b>Processor</b>		<b>Processor special features</b>	
Physical Address Extension (PAE)	✓	Intel TSX-NI	✓
Physical Address Extension (PAE)	46 bit	Intel® OS Guard	✓
Embedded options available	✓	Intel 64	✓
Processor series	Intel Xeon E5-2600 v4	Intel Identity Protection Technology version	0.00
Conflict-Free processor	✓	Intel Secure Key Technology version	1.00
<b>Memory</b>		Intel Virtualization Technology (VT-x)	✓
Internal memory *	16 GB	Intel TSX-NI version	1.00
Internal memory type *	DDR4-SDRAM	Processor ARK ID	92986
Memory slots	16	<b>Power</b>	
ECC	✓	Redundant power supply (RPS) support *	✓
Memory clock speed	2133 MHz	Power supply *	750 W
Memory layout (slots x size)	1 x 16 GB	Number of main power supplies	1
<b>Storage</b>		<b>Operational conditions</b>	
HDD interface	Serial ATA III	Operating temperature (T-T)	10 - 35 °C
HDD size	2.5"	Storage temperature (T-T)	-10 - 60 °C
Number of HDDs supported	8	Operating relative humidity (H-H)	8 - 90%
RAID support *	✓	Storage relative humidity (H-H)	8 - 90%
RAID levels	0, 1, 10	Operating altitude	0 - 3048 m
Optical drive type *	✗	<b>Weight &amp; dimensions</b>	
<b>Graphics</b>		Width	482 mm
Maximum graphics card memory	16 MB	Depth	781.5 mm
<b>Network</b>		Height	43 mm
Ethernet LAN	✓	<b>Other features</b>	
Cabling technology	10/100/1000Base-T(X)	Graphics card	AST2400
Ethernet interface type	Gigabit Ethernet		
<b>Ports &amp; interfaces</b>			
Ethernet LAN (RJ-45) ports *	2		

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Publication date: 15-JAN-2024. Prints or copies of Information are only valid on the printed Publication date