ThinkServer RD530 Photography - 3.5" disk bays *



* Some models in pictures below contain optional add-in ethernet adapter, please see O-RDS for more RD530 accessories









- Up to two Intel® Xeon® E5-2600 series processors, up to 8 cores/16 threads per processor
- Up to 320GB ECC RDIMM memory (20x16GB) or 256GB ECC LV RDIMM memory (16x16GB)
- Up to four 3.5" hot-swap disk bays
- Up to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter
- Up to two power supplies with redundant, hot-swap, 80 PLUS® Gold qualified
- Up to eight fans (7+1 redundant), non hot-swap

ThinkServer RD530 Photography - 2.5" disk bays *



* Some models in pictures below contain optional add-in ethernet adapter, please see O-RDS for more RD530 accessories



- Up to two Intel® Xeon® E5-2600 series processors, up to 8 cores/16 threads per processor
- Up to 320GB ECC RDIMM memory (20x16GB) or 256GB ECC LV RDIMM memory (16x16GB)
- Up to eight 2.5" hot-swap disk bays
- Up to RAID 0, 1, 5, 6, 10, 50, 60 via ThinkServer RAID 700 adapter
- Up to two power supplies with redundant, hot-swap, 80 PLUS® Gold qualified
- Up to eight fans (7+1 redundant), non hot-swap

ThinkServer RD530 Photography - Details





Dual processors

Single processor





ThinkServer 800W Hot-Swap power supply for ThinkServer RD530/RD630 (80 PLUS® Gold qualified, redundant with two power supplies)

2.5" Hot-swap disk bay



ThinkServer RD530 rear I/O ports

ThinkServer RD530 with 3.5" Disk Bay (2570) - TopSeller

Type-		Memory	Memory	Pre-conf	Disk		Disk	Disk	SATA	Intelligent		System	Cable	Preload	PSU
model	Processor(s)	(MHz/type)	DIMMs	RAID	controller	Disk(s)	bays	type	optical	Diagnostics	TPM	mgmt	mgmt	os	qty
2570-A2U	1xE5-2620	1333MHz RDIMM	1x8GB	No	700	None	4xHS	SATA/SAS	DVD±RW	No	TPM	IPMI	No	No	1
2570-A3U	1xE5-2640	1333MHz RDIMM	1x8GB	No	700	None	4xHS	SATA/SAS	DVD±RW	No	TPM	IPMI	No	No	1
2570-A4U	2xE5-2640	1333MHz RDIMM	2x8GB	No	700+Battery	None	4xHS	SATA/SAS	DVD±RW	No	TPM	iKVM	No	No	2
2570-A5U	1xE5-2650	1333MHz RDIMM	1x8GB	No	700	None	4xHS	SATA/SAS	DVD±RW	No	TPM	iKVM	No	No	2
2570-A6U	1xE5-2670	1333MHz RDIMM	2x8GB	No	700	None	4xHS	SATA/SAS	DVD±RW	No	TPM	iKVM	No	No	2
2570-A7U	1xE5-2640	1333MHz RDIMM	1x16GB	No	700	None	4xHS	SATA/SAS	DVD±RW	No	TPM	IPMI	No	No	2

Limited warranty	3-year parts and labor; more Lenovo Services see S-RDS sheet	1U Rack top
Processor	Up to two processors, one or two processors standard, Intel Xeon E5-2620 processor (6C/12T, 2.0GHz, 15MB, 7.2 GT/s QPI x2), Turbo Boost 2.0 (up to 2.5GHz), 4-channel DDR3 memory controller (up to 1333MHz) Intel Xeon E5-2640 processor (6C/12T, 2.5GHz, 15MB, 7.2 GT/s QPI x2), Turbo Boost 2.0 (up to 3.0GHz), 4-channel DDR3 memory controller (up to 1333MHz) Intel Xeon E5-2650 processor (8C/16T, 2.0GHz, 20MB, 8.0 GT/s QPI x2), Turbo Boost 2.0 (up to 2.8GHz), 4-channel DDR3 memory controller (up to 1600MHz) Intel Xeon E5-2670 processor (8C/16T, 2.6GHz, 20MB, 8.0 GT/s QPI x2), Turbo Boost 2.0 (up to 3.3GHz), 4-channel DDR3 memory controller (up to 1600MHz)	Power supply Power supply Power supply Power supply Power supply Power supply Riser card 2 Memory Sockets Soc
Implementation	Two LGA2011 sockets	disk optical
Memory	RDIMM or LV RDIMM, DDR3, ECC, 4-channel per processor, 240-pin; RDIMM: twenty sockets (12 sockets for CPU1, 8 sockets for CPU2), 320GB max (20x16GB) LV RDIMM: sixteen sockets (8 of 12 sockets available for CPU1, 8 sockets for CPU2), 256GB max (16x16GB)	Front optical
Additional memory disclaimers	 Actual memory operating speed depends on processor memory controller speed, installed memory speed, and quantity of memory DIMMs Over twelve RDIMMs requires dual processors Over eight LV RDIMMs requires dual processors Mixing of RDIMM and LV RDIMM is not supported 	Rear PSU
Graphics	Onboard Aspeed AST2300 graphics/management processor, one VGA DB-15 on rear; Maximum resolution: 1920x1200@60Hz	
Disk bays Disk controller	Four 3.5" hot-swap SATA/SAS disk bays RAID 500: ThinkServer RAID 500 adapter (LSI SAS 9240-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 10 support Upgrade for 500: Additional upgrade key for RAID 500 adapter, add RAID 5 support ThinkServer RAID 700 adapter (LSI SAS 0360 8i)	
RAID Support Disk(s)	ThinkServer RAID 700 adapter (LSI SAS 9260-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 5, 6, 10 support Intelligent Battery Backup Unit (iBBU08) for RAID 700 Up to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter 3.5" SATA: SATA 6.0Gb/s, 7200 rpm	Mechanical • 1U rack • 19"W x 28.9"D x 1.72"H (with rack handles) • 482.4mm W x 734mm D x 43.6mm H (with rack handles) • 17kg (37.5 lb) when fully configured
Tana aluiva	3.5" SAS: SAS 6.0Gb/s, 15000 rpm	Disk Bays
Tape drive Optical Diskette	None DVD±RW or DVD ROM, slim None (use USB port)	Bay 1 5.25", 0.5" high, external, for optical Bay 2-5 3.5", 1" high, external, for disk
Chipset	Intel C602J Chipset	Expansion Slots
Ethernet Riser card	Two Gigabit Ethernet ports by Intel i350, one Gigabit Ethernet port by Intel 82574L, dedicate/share management (See Right) Riser card 1 for slot 1, riser card 2 for slot 2	Slot 1: half-length, full-height, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x8
Front ports	Two USB 2.0	Security Security Security April (collected models, and information on left)
Rear ports Intelligent Diagnostics Module (IDM) Systems mgmt	Four USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one analog VGA DB-15 connector Supports IDM on selected models Basic: IDM LED lights indicate failing component category Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); iKVM: add-on ThinkServer Management Module Premium for iKVM functions	Security chip (selected models, see information on left) Administrator password User password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control USB port disablement (all) Software Management Tools
Security chip	No onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant	ThinkServer EasyStartup ThinkServer EasyManage
Prerequisites Keyboard/mouse Power supply	SATA/SAS disk, OS None (use USB port) One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS® Gold qualified, redundant with two power supplies	Energy Management Technology Intel Power Node Manager Lenovo® SmartGrid Manager
Rack kit Cable management Cooling	Includes rack kit Cable: contains cable management arm Up to eight fans (7+1 redundant), non-hot swap	ENERGY STAR Server 1.1-compliant RoHS-compliant For more accessories, see O-RDS sheet

ThinkServer RD530 with 3.5" Disk Bay (2569) - TopSeller

Type-		Memory	Memory	Pre-conf	Disk		Disk	Disk	SATA	Intelligent		System	Cable	Preload	PSU
model	Processor(s)	(MHz/type)	DIMMs	RAID	controller	Disk(s)	bays	type	optical	Diagnostics	TPM	mgmt	mgmt	os	qty
2569-A1U	2xE5-2640	1333MHz RDIMM	2x8GB	5	700+Battery	3x500GB 3.5"	SATA 4xHS	SATA/SAS	DVD±RW	No	TPM	iKVM	No	No	2

Limited warranty	1-year parts and labor; more Lenovo Services see S-RDS sheet	1U Rack top
Processor	<u> </u>	
Processor	Up to two processors, one or two processors standard, Intel Xeon E5-2640 processor (6C/12T, 2.5GHz, 15MB,	Power sup Power sup Power sup Riser card 2
	7.2 GT/s QPI x2) , Turbo Boost 2.0 (up to 3.0GHz),	wer card
Implementation	4-channel DDR3 memory controller (up to 1333MHz)	Power supply Power supply ser card 2
Implementation	Two LGA2011 sockets	- 후 후
Memory	RDIMM or LV RDIMM, DDR3, ECC, 4-channel per processor, 240-pin; RDIMM: twenty sockets (12 sockets for CPU1, 8 sockets for CPU2),	
	320GB max (20x16GB)	
	LV RDIMM: sixteen sockets (8 of 12 sockets available for CPU1,	Mamory Sockets Society
Additional memory	8 sockets for CPU2), 256GB max (16x16GB) • Actual memory operating speed depends on processor memory	
disclaimers	controller speed, installed memory speed, and quantity of memory DIMMs	
	Over twelve RDIMMs requires dual processors	fan fan fan fan fan fan fan fan fan
	 Over eight LV RDIMMs requires dual processors Mixing of RDIMM and LV RDIMM is not supported 	disk optical
Graphics	Onboard Aspeed AST2300 graphics/management processor,	
Giapinoo	one VGA DB-15 on rear;	Front
	Maximum resolution: 1920x1200@60Hz	⊚∘ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
Disk bays	Four 3.5" hot-swap SATA/SAS disk bays	disk disk disk
Disk controller	RAID 500: ThinkServer RAID 500 adapter (LSI SAS 9240-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s,	Rear
	RAID 0, 1, 10 support	
	Upgrade for 500: Additional upgrade key for RAID 500 adapter,	PSU PSU
	add RAID 5 support RAID 700: ThinkServer RAID 700 adapter (LSI SAS 9260-8i),	
	PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s,	
	RAID 0, 1, 5, 6, 10 support	
DAID 0	Battery for 700: Intelligent Battery Backup Unit (iBBU08) for RAID 700	
RAID Support	Up to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter	_
Disk(s)	3.5" SATA: SATA 6.0Gb/s, 7200 rpm	
Tape drive	3.5" SAS: SAS 6.0Gb/s, 15000 rpm None	-
Optical	DVD±RW or DVD ROM, slim	
Diskette	None (use USB port)	Mechanical
Chipset	Intel C602J Chipset	• 1U rack
Ethernet	Two Gigabit Ethernet ports by Intel i350, one Gigabit Ethernet port by Intel 82574L, dedicate/share management	• 19"W x 28.9"D x 1.72"H (with rack handles)
Riser card	(See Right) Riser card 1 for slot 1, riser card 2 for slot 2	482.4mm W x 734mm D x 43.6mm H (with rack handles) 17kg (37.5 lb) when fully configured
Front ports	Two USB 2.0	- · · · · · · · · · · · · · · · · · · ·
Rear ports	Four USB 2.0, one serial (9-pin), two ethernet (RJ-45),	Disk Bays
Intelligent Disapportion	one RJ-45 (dedicate/share mgmt), one analog VGA DB-15 connector Supports IDM on selected models	Bay 1 5.25", 0.5" high, external, for optical Bay 2-5 3.5". 1" high, external, for disk
Module (IDM)	Basic: IDM LED lights indicate failing component category	3, 111
Systems mgmt	Onboard Aspeed AST2300 graphics/management processor,	Expansion Slots
, ,	IPMI 2.0-compliant baseboard management controller (BMC);	Slot 1: half-length, full-height, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x8
	iKVM: add-on ThinkServer Management Module Premium for iKVM functions	· '
Security chip	No onboard TPM chip:	Security
, r	TPM: additional add-on card for TPM function, TCG 1.2-compliant	Security chip (selected models, see information on left) Administrator password
Prerequisites	SATA/SAS disk, OS	Administrator password User password
Keyboard/mouse	None (use USB port) One or two 800 watts standard, two maximum, rear access, hot-swap,	Boot sequence control
Power supply	80 PLUS® Gold qualified, redundant with two power supplies	Boot without keyboard, mouse, diskette Serial port I/O control
	Includes rack kit	USB port disablement (all)
Rack kit		1 /
Cable management	Optional cable management arm on selected models	Software Management Tools
	Optional cable management arm on selected models Up to eight fans (7+1 redundant), non-hot swap	Software Management Tools ThinkServer FasyStartup
Cable management		Software Management Tools ThinkServer EasyStartup ThinkServer EasyManage
Cable management		ThinkServer EasyStartup
Cable management		ThinkServer EasyStartup ThinkServer EasyManage Energy Management Technology
Cable management		ThinkServer EasyStartup ThinkServer EasyManage
Cable management		ThinkServer EasyStartup ThinkServer EasyManage Energy Management Technology Intel Power Node Manager Lenovo® SmartGrid Manager
Cable management		ThinkServer EasyStartup ThinkServer EasyManage Energy Management Technology Intel Power Node Manager

ThinkServer RD530 with 3.5" Disk Bay (2573)

Type-		Memory	Memory	Pre-conf	Disk		Disk	Disk	SATA	Intelligent		System	Cable I	reload	PSU
model	Processor(s)	(MHz/type)	DIMMs	RAID	controller	Disk(s)	bays	type	optical	Diagnostics	TPM	mgmt	mgmt	os	qty
2573-A1U	1xE5-2620	1333MHz RDIMN	11x8GB	No	700		4xHS	SATA/SAS	DVD±RW	No	TPM	IPMI	No	No	1
2573-A2U	1xE5-2670	1333MHz RDIMM	12x8GB	No	700+Battery		4xHS S	SATA/SAS	DVD±RW	No	TPM	iKVM	No	No	2
2573-A3U	1xE5-2640	1333MHz RDIMM	11x16GB	No	700		4xHS S	SATA/SAS	DVD±RW	No	TPM	IPMI	No	No	1
2573-A4U	1xE5-2650	1333MHz RDIMM	12x8GB	No	700+Battery		4xHS S	SATA/SAS	DVD±RW	No	TPM	iKVM	No	No	2
2573-A5U	1xE5-2620	1333MHz RDIMM	12x8GB	No	700+Battery 4x50	00GB 3.5" SATA	4xHS S	SATA/SAS	DVD±RW	No	TPM	iKVM	No	No	2
2573-A6U	1xE5-2650	1333MHz RDIMM	l 4x8GB	No	700+Battery 4x30	00GB 3.5" SAS	4xHS	SATA/SAS	DVD±RW	No	TPM	iKVM	No	No	2

Umited warranty Processor Union to processor, processor or processor, process			
Implementation Implementation	Limited warranty	3-year parts and labor; more Lenovo Services see S-RDS sheet	1U Rack top
RDIMM or LV RDIMM. DDR3, ECC, 4-channel per processor, 240-pin; RDIMM: whenty sockets for CPU1, 8-ockets for CPU3, 320GB max (20x16GB) LV RDIMM: sixteen sockets (8 of 12 sockets available for CPU1, 320GB max (20x16GB) LV RDIMM: sixteen sockets (8 of 12 sockets available for CPU1, 320GB max (20x16GB) LV RDIMM: sixteen sockets (8 of 12 sockets available for CPU1, 320GB max (20x16GB) LV RDIMM: sixteen sockets (8 of 12 sockets available for CPU1, 320GB max (20x16GB) Additional memory observed in the control of		Intel® Xeon® E5-2620 processor (6C/12T, 2.0GHz, 15MB, 7.2 GT/s QPI x2), Turbo Boost 2.0 (up to 2.5GHz), 4-channel DDR3 memory controller (up to 1333MHz) Intel Xeon E5-2640 processor (6C/12T, 2.5GHz, 15MB, 7.2 GT/s QPI x2), Turbo Boost 2.0 (up to 3.0GHz), 4-channel DDR3 memory controller (up to 1333MHz) Intel Xeon E5-2650 processor (8C/16T, 2.0GHz, 20MB, 8.0 GT/s QPI x2), Turbo Boost 2.0 (up to 2.8GHz), 4-channel DDR3 memory controller (up to 1600MHz) Intel Xeon E5-2670 processor (8C/16T, 2.6GHz, 20MB, 8.0 GT/s QPI x2), Turbo Boost 2.0 (up to 3.3GHz), 4-channel DDR3 memory controller (up to 1600MHz)	upply Memory sockers Memory sockers Memory sockers Memory sockers sockers
Additional memory Additional additional memory Additional memory Additional memory Additional additional memory Additional memory Additional additional additional memory Additional additional additional memory Additional additional memory Additional additional memory Addi			- diak ontical
controller speed, installed memory speed, and quantity of memory DIMMs Over twelve RDIMMs requires dual processors Noving of RDIMM and Ut PDIMM is not supported Onboard Aspeed AST2300 graphics/management processor, one VGA DB-15 on rear; Maximum resolution: 1920x1200 @60Hz Disk bays Disk controller Four 35' nb-swap SATA/SAS disk bays PISH SATION To Tear; Maximum resolution: 1920x1200 @60Hz Disk bays Disk controller RAID 500. ThinkServer RAID 500 adapter (LSI: SAS 9240-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 1, 0 support Upgrade for 500: Additional upgrade key for RAID 500 adapter, add RAID 5 support RAID 700: ThinkServer RAID 700 adapter (LSI: SAS 9260-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, SAS 6.0Gb/s RAID 0, 1, 5, 6, 10 support RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Support Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Support None RAID Support RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Support RAID Support RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Support RAID Support RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Support RAID Support RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter RAID Vip to RAID 0, 1, 5, 6, 10 via ThinkServer	Memory	RDIMM: twenty sockets (12 sockets for CPU1, 8 sockets for CPU2), 320GB max (20x16GB) LV RDIMM: sixteen sockets (8 of 12 sockets available for CPU1,	Front
Onboard Aspeed AST2300 graphics/management processor, one VGA DB-15 on rear; Maximum resolution: 1920x1200 @ 60 Hz Disk bays Disk controller Four 3.5' hot-swap SATA/SAS disk bays Disk controller RAID 500: ThinkServer RAID 500 adapter (LSI SAS 9240-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, SAS 6.0Gb/s, RAID 0.1, 10 support RAID 700: ThinkServer RAID 700 adapter (LSI SAS 9260-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAS 9260-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 700: Intelligent Battery tor 700: Intelligent Battery Backup Unit (IBBU89) for RAID 700 Battery for 700: Intelligent Battery Backup Unit (IBBU89) for RAID 700 Disk(s) 3.5" SATA: SATA 6.0Gb/s, 7200 rpm 3.5" SAS: SAS 6.0Gb/s, 15000 rpm Tape drive Optical Disk(s) Tape drive Optical Disk bays None (use USB port) Intel C602J Chipset Expansion Slots Expansion Slots Expansion Slots Fisher card (See Right) Riser card 1 for slot 1, riser card 2 for slot 2 Two USB 2.0 Rear ports Four USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share management for ports) None Doard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); IK/Wi. add-on ThinkServer Management Module Premium for iKVM functions Security chip Security chip Software Management Tools None onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant Prerequisites Reyboard/mouse Power supply ASATA/SAS disk, OS RAID 500 adapter (LSI SAS 9240-8i), PCI Express 3.0 x 16 Software Management Technology Includes rack kit Cable management Tool dable management Tool adapter (LSI SAS 9260-8i), PCI Express 3.0 x 16 Software Management Technology Includes rack kit Cable management Tool adapter (LSI SAS 9260-8i), PCI Express 3.0 x 16 Software Management Technology Included 100 and Aspeed AST2300 graphics/management processor, Power supplies Includes rack kit Cable management Tool adapter (LSI SAS 9260-8i), PCI Express 3.0 x 16 Software Management Technology Includ		controller speed, installed memory speed, and quantity of memory DIMMs Over twelve RDIMMs requires dual processors Over eight LV RDIMMs requires dual processors	Rear 2-PCle x8 1-PCle x16
Disk controller RAID 500: ThinkServer RAID 500 adapter (LSI: SAS 9240-8), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 10 support Additional upgrade key for RAID 500 adapter, add RAID 5 support ThinkServer RAID 700 adapter (LSI: SAS 9260-8), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 5, 6, 10 support RAID 700: Intelligent Battery Backup Unit (iBBU08) for RAID 700 Up to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter ABID 0, 1, 5, 6, 10 via public RAID 700 adapter ABID 0, 1, 5, 6, 10 via public RAID 700 adapter ABID 0, 1, 5, 6, 10 via public RAID 700 adapter RAID 700 public RAID 700 pub	Graphics	one VGA DB-15 on rear;	
PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, Tool support Up to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter 19"W x 28.9"D x 1.72"H (with rack handles) 482.4mm W x 734mm D x 43.6mm H (with rack handles) 482.4mm W x 734mm D x 4		RAID 500: ThinkServer RAID 500 adapter (LSI SAS 9240-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 10 support Upgrade for 500: Additional upgrade key for RAID 500 adapter, add RAID 5 support	
Tape drive Optical DVD±RW or DVD ROM, slim None (use USB port) DVD±RW or DVD ROM, slim None (use USB port) Chipset Intel C602J Chipset Ethernet Two Gigabit Ethernet ports by Intel 3257, one Gigabit Ethernet port by Intel 32574L, dedicate/share management (See Right) Riser card 1 for slot 1, riser card 2 for slot 2 Frour USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one analog VGA DB-15 connector Intelligent Diagnostics Module (IDM) Systems mgmt Security Chip Security Chip (IDM) Security Chip No onboard Aspeed AST2300 graphics/management Module Premium for iKVM functions Security chip No onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant Prerequisites Keyboard/mouse Power supply One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS* Gold qualified, redundant with two power supplies Rack kit Includes rack kit Cable management Optional cable management arm on selected models DIVERW 1 5.25", 0.5" high, external, for optical Bay 2-5 3.5", 1" high, external, for disk Expansion Slots Slot 1: half-length, full-height, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x8 Security chip Slots: Low Profile, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x8 Security chip (See Right) Riser card 1 for slot 1, riser card 2 for slot 2 Security chip (Selected models, see information on left) - Administrator password - User password -		PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 5, 6, 10 support Intelligent Battery Backup Unit (iBBU08) for RAID 700 Up to RAID 0, 1, 5, 6, 10 via ThinkServer RAID 700 adapter 3.5" SATA: SATA 6.0Gb/s, 7200 rpm	1U rack 19"W x 28.9"D x 1.72"H (with rack handles) 482.4mm W x 734mm D x 43.6mm H (with rack handles)
Diskette None (use USB port) Chipset Intel C602J Chipset Ethernet Two Gigabit Ethernet ports by Intel i350, one Gigabit Ethernet port by Intel 82574L, dedicate/share management (See Right) Riser card (See Right) Riser card 1 for slot 1, riser card 2 for slot 2 Front ports Two USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one analog VGA DB-15 connector Intelligent Diagnostics Supports IDM on selected models Module (IDM) Systems mgmt Onboard Aspeed AST2300 graphics/management controller (BMC); iKVM: add-on ThinkServer Management Module Premium for iKVM functions Security chip No onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant Prerequisites Keyboard/mouse Power supply One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS* Gold qualified, redundant with two power supplies Rack kit Includes rack kit Cable management Optical Bay 2-5 3.5", 1"high, external, for optical Bay 2-5 3.5", 1"high, external, for disk Expansion Slots Stot 1: half-length, full-height, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x36 Security chip (selected models, see information on left) - Administrator password - Security chip (selected models, see information on left) - Administrator password - Boot sequence control - Boot without keyboard, mouse, diskette - Serial port I/O control - USB port disablement (all) Software Management Tools - ThinkServer EasyManage Fenergy Management Technology - Intel Power Node Manager - Lenovo* SmartGrid Manager	Tana alubra		- Disk Bays
Ethernet Two Gigabit Ethernet ports by Intel i350, one Gigabit Ethernet port by Intel 82574L, dedicate/share management (See Right) Riser card 1 for slot 1, riser card 2 for slot 2 Front ports Fear ports Four USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one analog VGA DB-15 connector Intelligent Diagnostics Supports IDM on selected models Module (IDM) Sasic: IDM LED lights indicate failing component category Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); ikVM: add-on ThinkServer Management Module Premium for ikVM functions Security chip Prerequisites Keyboard/mouse Power supply One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS® Gold qualified, redundant with two power supplies Tack kit Cable management Two Gigabit Ethernet port by Intel 82574L, dedicate/share management (See Right) Riser card 2 for slot 2 Slot 1: half-length, full-height, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x36 Security chip (selected models, see information on left) - Administrator password - User password - Boot sequence control - Boot without keyboard, mouse, diskette - Serial port I/O control - USB port disablement (all) Software Management Tools - ThinkServer EasyStartup - ThinkServer EasyStartup - ThinkServer EasyManage Energy Management Technology - Intel Power Node Manager - Lenovo® SmartGrid Manager	Optical Diskette	DVD±RW or DVD ROM, slim None (use USB port)	
one Gigabit Ethernet port by Intel 82574L, dedicate/share management (See Right) Riser card 1 for slot 1, riser card 2 for slot 2 Front ports Rear ports Four USB 2.0 Rear ports Four USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one analog VGA DB-15 connector Intelligent Diagnostics Module (IDM) Systems mgmt Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); iKVM: add-on ThinkServer Management Module Premium for iKVM functions Security chip Percequisites Keyboard/mouse Power supply One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS® Gold qualified, redundant with two power supplies No onboard aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management Module Premium for iKVM functions Security chip Software Management Tools ThinkServer EasyStartup ThinkServer EasyManage Energy Management Technology Intel Power Node Manager Lenovo® SmartGrid Manager Rack kit Cable management Optional cable management arm on selected models		<u> </u>	- ·
Rear ports Four USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one analog VGA DB-15 connector Intelligent Diagnostics Module (IDM) Systems mgmt Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); iKVM: add-on ThinkServer Management Module Premium for iKVM functions Security chip No onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant Prerequisites Keyboard/mouse Power supply SATA/SAS disk, OS None (use USB port) One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS® Gold qualified, redundant with two power supplies Rack kit Cable management Cable management Cable management Cable management Four USB 2.0, one serial (9-pin), two ethernet (RJ-45), one analog VGA DB-15 connector Administrator password User password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control USB port disablement (all) Software Management Tools ThinkServer EasyStartup ThinkServer EasyManage ThinkServer EasyManage Energy Management Technology Intel Power Node Manager Lenovo® SmartGrid Manager Lenovo® SmartGrid Manager ENERGY STAR Server 1.1-compliant BoHS-compliant	Riser card	one Gigabit Ethernet port by Intel 82574L, dedicate/share management (See Right) Riser card 1 for slot 1, riser card 2 for slot 2	Slot 2: Low Profile, PCI Express 3.0 x8
Module (IDM) Systems mgmt Basic: IDM LED lights indicate failing component category Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); iKVM: add-on ThinkServer Management Module Premium for iKVM functions Security chip No onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant Prerequisites Keyboard/mouse Power supply None (use USB port) One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS® Gold qualified, redundant with two power supplies Rack kit Cable management Cable management Cable management Double AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management processor, IP	Rear ports	Four USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share mgmt), one analog VGA DB-15 connector	Security chip (selected models, see information on left)
Systems mgmt Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); iKVM: add-on ThinkServer Management Module Premium for iKVM functions Security chip Prerequisites Keyboard/mouse Power supply Rack kit Cable management Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); add-on ThinkServer Management Module Premium for iKVM functions Software Management Tools **ThinkServer EasyStartup** **ThinkServer EasyStartup** **ThinkServer EasyManage** **Energy Management Technology** **Intel Power Node Manager** **Lenovo** SmartGrid Manager** **Lenovo** SmartGrid Manager** **Lenovo** SmartGrid Manager** **Lenovo** Star** Server 1.1-compliant* **RoHS-compliant** **ENERGY STAR** Server 1.1-compliant* **RoHS-compliant**		Supports IDM on selected models	User password
Security chip No onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant Prerequisites Keyboard/mouse Power supply One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS® Gold qualified, redundant with two power supplies Rack kit Cable management No onboard TPM chip; ThinkServer EasyStartup ThinkServer EasyManage Energy Management Technology Intel Power Node Manager Lenovo® SmartGrid Manager Lenovo® SmartGrid Manager ENERGY STAR® Server 1.1-compliant RoHS-compliant		Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); iKVM: add-on ThinkServer Management Module Premium for iKVM	Boot without keyboard, mouse, diskette Serial port I/O control USB port disablement (all)
Keyboard/mouse Power supply Power supply Power supply Rack kit Cable management SATA/SAS disk, OS Rergy Management Technology Intel Power Node Manager Lenovo® SmartGrid Manager Lenovo® SmartGrid Manager ENERGY STAR® Server 1.1-compliant RoHS-compliant RoHS-compliant		No onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant	ThinkServer EasyStartup
Cable management Optional cable management arm on selected models RoHS-compliant	Keyboard/mouse Power supply	None (use USB port) One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS® Gold qualified, redundant with two power supplies	Energy Management Technology Intel Power Node Manager
Cooling Up to eight fans (7+1 redundant), non-hot swap For more accessories, see O-RDS sheet			RoHS-compliant

ThinkServer RD530 with 2.5" Disk Bay (2575) - TopSeller

Type-		Memory	Memory	Pre-conf	Disk		Disk	Disk	SATA	Intelligent		System	Cable	Preload	PSU
model	Processor(s)	(MHz/type)	DIMMs	RAID	controller	Disk(s)	bays	type	optical	Diagnostics	TPM	mgmt	mgmt	os	qty
2575-A1U	1xE5-2620	1333MHz RDIMM	1x4GB	No	500	None	8xHS	SATA/SAS	No	No	TPM	IPMI	No	No	1
2575-A2U	1xE5-2640	1333MHz RDIMM	2x4GB	No	700+Battery	None	8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2
2575-A4U	1xE5-2620	1333MHz RDIMM	1x8GB	No	700	None	8xHS	SATA/SAS	No	No	TPM	IPMI	No	No	1
2575-A6U	1xE5-2640	1333MHz RDIMM	2x8GB	No	700	None	8xHS	SATA/SAS	No	No	TPM	IPMI	No	No	1
2575-A7U	1xE5-2650	1333MHz RDIMM	3x8GB	No	700+Battery	None	8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2
2575-A8U	1xE5-2670	1333MHz RDIMM	3x8GB	No	700+Battery	None	8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2
2575-A9U	2xE5-2650	1333MHz RDIMM	4x8GB	No	700+Battery	None	8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2

Limited warranty	3-year parts and labor; more Lenovo Services see S-RDS sheet	1U Rack top
Processor	Up to two processors, one or two processors standard, Intel® Xeon® E5-2620 processor (6C/12T, 2.0GHz, 15MB, 7.2 GT/s QPI x2), Turbo Boost 2.0 (up to 2.5GHz), 4-channel DDR3 memory controller (up to 1333MHz) Intel Xeon E5-2640 processor (6C/12T, 2.5GHz, 15MB, 7.2 GT/s QPI x2), Turbo Boost 2.0 (up to 3.0GHz), 4-channel DDR3 memory controller (up to 1333MHz) Intel Xeon E5-2650 processor (8C/16T, 2.0GHz, 20MB, 8.0 GT/s QPI x2), Turbo Boost 2.0 (up to 2.8GHz), 4-channel DDR3 memory controller (up to 1600MHz) Intel Xeon E5-2670 processor (8C/16T, 2.6GHz, 20MB, 8.0 GT/s QPI x2), Turbo Boost 2.0 (up to 3.3GHz), 4-channel DDR3 memory controller (up to 1600MHz)	Power supply Power supply Power supply Power supply Riser slot Riser slot Riser slot Memory sockets Pigen Memory sockets Memory sockets Pigen Riser slot Memory sockets
Implementation	Two LGA2011 sockets	fan fan fan fan fan fan fan fan fan
Memory	RDIMM or LV RDIMM, DDR3, ECC, 4-channel per processor, 240-pin; RDIMM: twenty sockets (12 sockets for CPU1, 8 sockets for CPU2), 320GB max (20x16GB) LV RDIMM: sixteen sockets (8 of 12 sockets available for CPU1, 8 sockets for CPU2), 256GB max (16x16GB)	disk Front
Additional memory disclaimers	 Actual memory operating speed depends on processor memory controller speed, installed memory speed, and quantity of memory DIMMs Over twelve RDIMMs requires dual processors Over eight LV RDIMMs requires dual processors Mixing of RDIMM and LV RDIMM is not supported 	0
Graphics	Onboard Aspeed AST2300 graphics/management processor, one VGA DB-15 on front, one VGA DB-15 on rear; Maximum resolution: 1920x1200@60Hz	PSU PSU
Disk bays Disk controller	Eight 2.5" hot-swap SATA/SAS disk bays RAID 500: ThinkServer RAID 500 adapter (LSI SAS 9240-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 10 support Upgrade for 500: Additional upgrade key for RAID 500 adapter, add RAID 5, 50 support ThinkServer RAID 700 adapter (LSI SAS 9260-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 5, 6, 10, 50, 60 support	
RAID Support	Battery for 700: Intelligent Battery Backup Unit (iBBU08) for RAID 700 Up to RAID 0, 1, 5, 6, 10, 50, 60 via ThinkServer RAID 700 adapter	Mechanical
Disk(s)	2.5" SAS: SAS 6.0Gb/s, 10000 rpm SSD: Solid State Drive, 2.5"	1U rack 19"W x 28.4"D x 1.72"H (with rack handles) 482.4mm W x 734mm D x 43.6mm H (with rack handles)
Tape drive Optical Diskette	None None (use USB port) None (use USB port)	• 17kg (37.5 lb) when fully configured Disk Bays
Chipset	Intel C602J Chipset	Bay 1-8 2.5", 0.6" high, external, for disk
Ethernet Riser card	Two Gigabit Ethernet ports by Intel i350, one Gigabit Ethernet port by Intel 82574L, dedicate/share management (See Right) Riser card 1 for slot 1, riser card 2 for slot 2	Expansion Slots Slot 1: half-length, full-height, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x8
Front ports Rear ports	Two USB 2.0, one analog VGA DB-15 connector Four USB 2.0, one serial (9-pin), two ethernet (RJ-45), one RJ-45 (dedicate/share sys mgmt), one analog VGA DB-15 connector	Security • Security chip (selected models, see information on left)
Intelligent Diagnostics Module (IDM)	Supports IDM on selected models Basic: IDM LED lights indicate failing component category	Administrator password User password Past password
Systems mgmt	Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); iKVM: add-on ThinkServer Management Module Premium for iKVM functions	 Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control USB port disablement (all)
Security chip	No onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant	Software Management Tools ThinkServer EasyStartup
Prerequisites	SATA/SAS disk, OS	ThinkServer EasyManage Fnorgy Management Technology
Keyboard/mouse Power supply	None (use USB port) One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS® Gold qualified, redundant with two power supplies	Energy Management Technology Intel Power Node Manager Lenovo® SmartGrid Manager
Rack kit Cable management Cooling	Includes rack kit Optional cable management arm on selected models Up to eight fans (7+1 redundant), non-hot swap	ENERGY STAR Server 1.1-compliant RoHS-compliant
		For more accessories, see O-RDS sheet

ThinkServer RD530 with 2.5" Disk Bay (2574) - TopSeller

Type-		Memory	Memory	Pre-conf	Disk		Disk	Disk	SATA	Intelligent		System	Cable	Preload	PSU
model	Processor(s)	(MHz/type)	DIMMs	RAID	controller	Disk(s)	bays	type	optical	Diagnostics	TPM	mgmt	mgmt	os	qty
2574-A1U	2xE5-2640	1333MHz RDIMM	2x8GB		700+Battery	2x300GB 2.5"	SAS 8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2
2574-A2U	2xE5-2640	1333MHz RDIMM	2x8GB	5	700+Battery	3x300GB 2.5"	SAS 8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2

Limited warranty	1-year parts and labor; more Lenovo Services see S-RDS sheet	1U Rack top
Processor Implementation	Up to two processors, one or two processors standard, Intel® Xeon® E5-2640 processor (6C/12T, 2.5GHz, 15MB, 7.2 GT/s QPI x2), Turbo Boost 2.0 (up to 3.0GHz), 4-channel DDR3 memory controller (up to 1333MHz) Two LGA2011 sockets	Power supply Power supply Riser slot
Memory	RDIMM or LV RDIMM, DDR3, ECC, 4-channel per processor, 240-pin;	Vidai Vidai
Additional memory disclaimers	RDIMM: twenty sockets (12 sockets for CPU1, 8 sockets for CPU2), 320GB max (20x16GB) LV RDIMM: sixteen sockets (8 of 12 sockets available for CPU1, 8 sockets for CPU2), 256GB max (16x16GB) • Actual memory operating speed depends on processor memory controller speed, installed memory speed, and quantity of memory DIMMs	Memory sockets Society Sockets Society Sockets Society
	 Over twelve RDIMMs requires dual processors Over eight LV RDIMMs requires dual processors Mixing of RDIMM and LV RDIMM is not supported 	fan
Graphics	Onboard Aspeed AST2300 graphics/management processor, one VGA DB-15 on front, one VGA DB-15 on rear; Maximum resolution: 1920x1200@60Hz	Front
Disk bays Disk controller	Eight 2.5" hot-swap SATA/SAS disk bays RAID 500: ThinkServer RAID 500 adapter (LSI SAS 9240-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 10 support Upgrade for 500: RAID 700: RAID 700: ThinkServer RAID 500 adapter, add RAID 5, 50 support ThinkServer RAID 500 adapter, add RAID 5, 50 support ThinkServer RAID 700 adapter (LSI SAS 9260-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 5, 6, 10, 50, 60 support	O
RAID Support	Battery for 700: Intelligent Battery Backup Unit (iBBU08) for RAID 700 Up to RAID 0, 1, 5, 6, 10, 50, 60 via ThinkServer RAID 700 adapter	
Disk(s)	2.5" SAS: SAS 6.0Gb/s, 10000 rpm SSD: Solid State Drive, 2.5"	
Tape drive Optical Diskette	None None (use USB port) None (use USB port)	
Chipset	Intel C602J Chipset	Mechanical
Ethernet Riser card Front ports Rear ports	Two Gigabit Ethernet ports by Intel i350, one Gigabit Ethernet port by Intel 82574L, dedicate/share management (See Right) Riser card 1 for slot 1, riser card 2 for slot 2 Two USB 2.0, one analog VGA DB-15 connector Four USB 2.0, one serial (9-pin), two ethernet (RJ-45),	1U rack 19"W x 28.4"D x 1.72"H (with rack handles) 482.4mm W x 734mm D x 43.6mm H (with rack handles) 17kg (37.5 lb) when fully configured
	one RJ-45 (dedicate/share sys mgmt), one analog VGA DB-15 connector Supports IDM on selected models	Disk Bays Bay 1-8 2.5", 0.6" high, external, for disk
Module (IDM) Systems mgmt	Basic: IDM LED lights indicate failing component category Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); iKVM: add-on ThinkServer Management Module Premium for iKVM functions	Expansion Slots Slot 1: half-length, full-height, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x8
Security chip	No onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant	Security - Security chip (selected models, see information on left)
Prerequisites Keyboard/mouse Power supply Rack kit	SATA/SAS disk, OS None (use USB port) One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS® Gold qualified, redundant with two power supplies Includes rack kit	Administrator password User password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control USB port disablement (all)
Cable management	Optional cable management arm on selected models	, , ,
Cooling	Up to eight fans (7+1 redundant), non-hot swap	Software Management Tools ThinkServer EasyStartup ThinkServer EasyManage
		Energy Management Technology
		Intel Power Node Manager Lenovo® SmartGrid Manager
		ENERGY STAR® Server 1.1-compliant RoHS-compliant
		For more accessories, see O-RDS sheet

ThinkServer RD530 with 2.5" Disk Bay (2576)

Type- model	Processor(s)	Memory (MHz/type)	Memory DIMMs	Pre-conf RAID	Disk controller	Disk(s)	Disk bays	Disk type		Intelligent Diagnostics				Preload OS	PSU qty
2576-A1U	J 1xE5-2620	1333MHz RDIMM	1x8GB	No	700		8xHS	SATA/SAS	No	No	TPM	IPMI	No	No	1
2576-A2U	J 1xE5-2640	1333MHz RDIMM	1x8GB	No	700+Battery		8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2
2576-A3U	J 1xE5-2650	1333MHz RDIMM	2x8GB	No	700+Battery		8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2
2576-A4U	J 1xE5-2650	1333MHz RDIMM	6x8GB	No	700+Battery	4x300GB 2.5" SAS	8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2
2576-A5U	J 1xE5-2620	1333MHz RDIMM	3x8GB	No	700+Battery	4x300GB 2.5" SAS	8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2
2576-A6U	J 2xE5-2670	1333MHz RDIMM	6x16GB	No	700+Battery	4x300GB 2.5" SAS	8xHS	SATA/SAS	No	No	TPM	iKVM	No	No	2

Limited warranty	3-year parts and labor; more Lenovo Services see S-RDS sheet	1U Rack top
Processor	Up to two processors, one or two processors standard, Intel® Xeon® E5-2620 processor (6C/12T, 2.0GHz, 15MB, 7.2 GT/s QPI x2), Turbo Boost 2.0 (up to 2.5GHz), 4-channel DDR3 memory controller (up to 1333MHz) Intel Xeon E5-2640 processor (6C/12T, 2.5GHz, 15MB, 7.2 GT/s QPI x2), Turbo Boost 2.0 (up to 3.0GHz), 4-channel DDR3 memory controller (up to 1333MHz) Intel Xeon E5-2650 processor (8C/16T, 2.0GHz, 20MB, 8.0 GT/s QPI x2), Turbo Boost 2.0 (up to 2.8GHz), 4-channel DDR3 memory controller (up to 1600MHz) Intel Xeon E5-2670 processor (8C/16T, 2.6GHz, 20MB, 8.0 GT/s QPI x2), Turbo Boost 2.0 (up to 3.3GHz), 4-channel DDR3 memory controller (up to 1600MHz)	Power supply Power supply Power supply Power supply Power supply Power supply Ammony Sockets Riser slot Ri
Implementation	Two LGA2011 sockets	fan fan fan fan fan fan fan fan fan
Memory Additional memory disclaimers	RDIMM or LV RDIMM, DDR3, ECC, 4-channel per processor, 240-pin; RDIMM: twenty sockets (12 sockets for CPU1, 8 sockets for CPU2), 320GB max (20x16GB) LV RDIMM: sixteen sockets (8 of 12 sockets available for CPU1, 8 sockets for CPU2), 256GB max (16x16GB) • Actual memory operating speed depends on processor memory controller speed, installed memory speed, and quantity of memory DIMMs • Over twelve RDIMMs requires dual processors • Over eight LV RDIMMs requires dual processors • Mixing of RDIMM and LV RDIMM is not supported	Front e
Graphics	Onboard Aspeed AST2300 graphics/management processor, one VGA DB-15 on front, one VGA DB-15 on rear; Maximum resolution: 1920x1200@60Hz	PSU PSU 2-PClex8 II-PClex16 PSU PSU DID DID DID DID
Disk bays Disk controller	Eight 2.5" hot-swap SATA/SAS disk bays RAID 500: ThinkServer RAID 500 adapter (LSI SAS 9240-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 10 support Upgrade for 500: Additional upgrade key for RAID 500 adapter, add RAID 5, 50 support ThinkServer RAID 700 adapter (LSI SAS 9260-8i), PCI Express bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 5, 6, 10, 50, 60 support Intelligent Battery Backup Unit (iBBU08) for RAID 700	Mechanical
RAID Support	Up to RAID 0, 1, 5, 6, 10, 50, 60 via ThinkServer RAID 700 adapter	• 1U rack
Disk(s)	2.5" SAS: SAS 6.0Gb/s, 10000 rpm SSD: Solid State Drive, 2.5"	 19"W x 28.4"D x 1.72"H (with rack handles) 482.4mm W x 734mm D x 43.6mm H (with rack handles) 17kg (37.5 lb) when fully configured
Tape drive Optical	None None (use USB port)	Disk Bays
Diskette	None (use USB port)	Bay 1-8 2.5", 0.6" high, external, for disk
Chipset	Intel C602J Chipset	Expansion Slots
Ethernet Riser card Front ports	Two Gigabit Ethernet ports by Intel i350, one Gigabit Ethernet port by Intel 82574L, dedicate/share management (See Right) Riser card 1 for slot 1, riser card 2 for slot 2 Two USB 2.0. one analog VGA DB-15 connector	Slot 1: half-length, full-height, PCI Express 3.0 x16 Slot 2: Low Profile, PCI Express 3.0 x8
Front ports Rear ports	Four USB 2.0, one serial (9-pin), two ethernet (RJ-45),	Security
•	one RJ-45 (dedicate/share sys mgmt), one analog VGA DB-15 connector Supports IDM on selected models Basic: IDM LED lights indicate failing component category Onboard Aspeed AST2300 graphics/management processor, IPMI 2.0-compliant baseboard management controller (BMC); iKVM: add-on ThinkServer Management Module Premium for iKVM functions	Security chip (selected models, see information on left) Administrator password User password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control USB port disablement (all)
Security chip	No onboard TPM chip; TPM: additional add-on card for TPM function, TCG 1.2-compliant	Software Management Tools ThinkServer EasyStartup ThinkServer EasyStartup
Prerequisites Keyboard/mouse Power supply Rack kit	SATA/SAS disk, OS None (use USB port) One or two 800 watts standard, two maximum, rear access, hot-swap, 80 PLUS® Gold qualified, redundant with two power supplies Includes rack kit	ThinkServer EasyManage Energy Management Technology Intel Power Node Manager Lenovo® SmartGrid Manager
Cable management Cooling	Optional cable management arm on selected models Up to eight fans (7+1 redundant), non-hot swap	ENERGY STAR Server 1.1-compliant RoHS-compliant
		For more accessories, see O-RDS sheet