Lenovo ThinkSystem Memory Summary
Reference Information

ThinkSystem TruDDR5 and TruDDR4 memory delivers trusted, tested, quality, performance, and reliability throughout the ThinkSystem portfolio. We use the highest quality industry-standard memory components sourced from Tier 1 DRAM suppliers. Only memory that meets these strict requirements are selected for memory in Lenovo servers. It is then compatibility tested and tuned on every ThinkSystem server to maximize reliability.

In addition, Lenovo memory DIMMs for servers have a unique signature programmed into them so your system can verify that TruDDR4 Memory is installed in your system. Since the memory will be authenticated, memory stretch goals are enabled only when TruDDR4 Memory DIMMs are detected. Together with lower power consumption, these new DIMMs can provide the lowest TCO for data centers.

Figure 1. Lenovo TruDDR4 Memory DIMM

High Performance Memory

Lenovo offers high-performance and high-capacity memory options in ThinkSystem servers.

Persistent Memory

Lenovo ThinkSystem servers configured with Intel Optane Persistent Memory transforms the memory/storage hierarchy enabling faster insights from data. This breakthrough technology delivers large capacity, high speed, affordable memory with data persistence and advanced encryption capabilities. These modules significantly increase the capacity of available system memory, keeping more hot data closer to the CPU, and enabling greater operational efficiency by processing larger data sets with more user instances.

3DS RDIMMs

To meet the ever increasing demand for higher density server memory modules, Lenovo offers 3DS (3 Dimensional Stacked) DDR4 RDIMMs which apply TSV (Through Silicon Via) technology from our partnership with a leading Tier 1 DRAM supplier. The new TSV 3DS stack technology enables higher density DRAM stack packages with higher operational frequency and reduced power consumption. The RDIMM configuration along with 3DS TSV DRAM packages exhibits performance benefits and lower power consumption over alternative high density solutions to ultimately provide the lowest TCO for data centers.

Figure 2. Intel Optane Persistent Memory

Part Number Information

The following tables list the ordering information:

- 4800 MHz DDR5 memory for Intel servers
- 4800 MHz DDR5 memory for AMD servers
- 3200 MHz DDR4 memory for Intel servers
- 3200 MHz DDR4 memory for AMD servers
- 2933 MHz DDR4 memory for Intel servers
- 2933 MHz DDR4 memory for AMD servers
- 2666 MHz DDR4 memory
- Intel Optane Persistent Memory 200 Series (3200 MHz)

4800 MHz DDR5 memory for Intel servers

Table 1. 4800 MHz DDR5 memory for Intel servers

Part number	Feature code	Description
DDR5 9x4 RDIMMs - 4800 MHz		
4X77A77483	BNW5	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 9x4 RDIMM
4X77A77033	BKTN	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 9x4 RDIMM
DDR5 10x4 RDIMMs - 4800 MHz		
4X77A77030	BNF6	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 10x4 RDIMM
4X77A77032	BNF9	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM
CTO only	BZC2	ThinkSystem 96GB TruDDR5 4800MHz (2Rx4) RDIMM
DDR5 x8 RDIMMs - 4800 MHz		
4X77A77029	BKTL	ThinkSystem 16GB TruDDR5 4800MHz (1Rx8) RDIMM
4X77A77031	BKTM	ThinkSystem 32GB TruDDR5 4800MHz (2Rx8) RDIMM
DDR5 10x4 3DS RDIMMs - 4800 MHz		
4X77A77034	BNFC	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM v2
CTO only	BY8F	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM v1
4X77A77035	BNF8	ThinkSystem 256GB TruDDR5 4800MHz (8Rx4) 3DS RDIMM

9x4 RDIMMs (also known as Optimized or EC4 RDIMMs) are a new lower-cost DDR5 memory option supported in ThinkSystem V3 servers. 9x4 DIMMs offer the same performance as standard RDIMMs (known as 10x4 or EC8 modules), however they support lower fault-tolerance characteristics. Standard RDIMMs and 3DS RDIMMs support two 40-bit subchannels (that is, a total of 80 bits), whereas 9x4 RDIMMs support two 36-bit subchannels (a total of 72 bits). The extra bits in the subchannels allow standard RDIMMs and 3DS RDIMMs to support Single Device Data Correction (SDDC), however 9x4 RDIMMs do not support SDDC. Note, however, that all DDR5 DIMMs, including 9x4 RDIMMs, support Bounded Fault correction, which enables the server to correct most common types of DRAM failures.

For more information on DDR5 memory, see the Lenovo Press paper, *Introduction to DDR5 Memory*, available from https://lenovopress.com/lp1618.

4800 MHz DDR5 memory for AMD servers

Table 2. 4800 MHz DDR5 memory for AMD servers

Part number	Feature code	Description
DDR5 9x4 RDIMMs - 4800 MHz		
4X77A81439	BQ3E	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 9x4 RDIMM-A
4X77A81442	BQ36	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 9x4 RDIMM-A
DDR5 10x4 RDIMMs - 4800 MHz		
4X77A81438	BQ39	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 10x4 RDIMM-A
4X77A81441	BQ3D	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM-A
4X77A81448	BUVV	ThinkSystem 96GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM-A
DDR5 x8 RDIMMs - 4800 MHz		
4X77A81437	BQ3C	ThinkSystem 16GB TruDDR5 4800MHz (1Rx8) RDIMM-A
4X77A85812	BUVT	ThinkSystem 24GB TruDDR5 4800MHz (1Rx8) RDIMM-A
4X77A81440	BQ37	ThinkSystem 32GB TruDDR5 4800MHz (2Rx8) RDIMM-A
4X77A81447	BUVU	ThinkSystem 48GB TruDDR5 4800MHz (2Rx8) RDIMM-A
DDR5 10x4 3DS RDIMMs - 4800 MHz		
4X77A81443	BQ3A	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM-A v2
CTO only	BYEE	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM-A v1
4X77A81444	BQ3B	ThinkSystem 256GB TruDDR5 4800MHz (8Rx4) 3DS RDIMM-A

3200 MHz DDR4 memory for Intel servers

Table 3. 3200 MHz TruDDR4 DIMMs for Intel processor-based servers

Part number	Feature code	Description
3200 MHz RDIMMs for Intel processor-based servers		
4X77A08632	B963	ThinkSystem 16GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM
4X77A08633	B964	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM
4X77A08634	B965	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM
4X77A08635	B966	ThinkSystem 64GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM
3200 MHz RDIMMs for the ThinkSystem SE350		
4X77A85855	BV0C	ThinkSystem SE350 16GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM
4X77A85861	BV0D	ThinkSystem SE350 32GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM
3200 MHz 3DS RDIMMs for Intel processor-based servers		
4X77A08636	BA62	ThinkSystem 128GB TruDDR4 3200 MHz (4Rx4 1.2V) 3DS RDIMM
3200 MHz UDIMMs		
4X77A77494	BMDV	ThinkSystem 8GB TruDDR4 3200 MHz (1Rx8, 1.2V) ECC UDIMM
4X77A77495	BMDW	ThinkSystem 16GB TruDDR4 3200 MHz (2Rx8, 1.2V) ECC UDIMM
4X77A77496	BMT4	ThinkSystem 32GB TruDDR4 3200MHz (2Rx8, 1.2V) ECC UDIMM

3200 MHz DDR4 memory for AMD servers

Table 4. 3200 MHz TruDDR4 DIMMs for AMD processor-based servers

Part number	Feature code	Description
3200 MHz RDIMMs for AMD processor-based servers		
4ZC7A15121	B5XD	ThinkSystem 16GB TruDDR4 3200MHz (2Rx8 1.2V) RDIMM-A
4ZC7A15122	B5XE	ThinkSystem 32GB TruDDR4 3200MHz (2Rx4 1.2V) RDIMM-A
4ZC7A15123	B8NU	ThinkSystem 32GB TruDDR4 3200MHz (2Rx8 1.2V) RDIMM-A
4ZC7A15124	B5XC	ThinkSystem 64GB TruDDR4 3200MHz (2Rx4 1.2V) RDIMM-A
3200 MHz 3DS RDIMMs for AMD processor-based servers		
4ZC7A15125	B8NT	ThinkSystem 128GB TruDDR4 3200 MHz (4Rx4, 12.V) 3DS RDIMM-A
3200 MHz Performance+ RDIMMs for AMD processor-based servers		
4X77A12188	BCZY	ThinkSystem 32GB TruDDR4 Performance+ 3200 MHz (2Rx8 1.2V) RDIMM-A
4X77A12189	BCZZ	ThinkSystem 64GB TruDDR4 Performance+ 3200 MHz (2Rx4 1.2V) RDIMM-A

2933 MHz DDR4 memory for Intel servers

Table 5. 2933 MHz TruDDR4 DIMMs for Intel processor-based servers

Part number	Feature code	Description
2933 MHz RDIMMs for Intel processor-based servers		
4ZC7A08706	B4H1	ThinkSystem 8GB TruDDR4 2933MHz (1Rx8 1.2V) RDIMM
4ZC7A08707	B4LY	ThinkSystem 16GB TruDDR4 2933 MHz (1Rx4 1.2V) RDIMM
4ZC7A08708	B4H2	ThinkSystem 16GB TruDDR4 2933MHz (2Rx8 1.2V) RDIMM
4ZC7A08709	B4H3	ThinkSystem 32GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM
4ZC7A08710	B4H4	ThinkSystem 64GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM
2933 MHz 3DS RDIMMs		
4ZC7A15113	B587	ThinkSystem 128GB TruDDR4 2933MHz (4Rx4 1.2V) 3DS RDIMM
4ZC7A08727	B4Y3	ThinkSystem 256GB TruDDR4 2933MHz (8Rx4 1.2V) 3DS RDIMM
2933 MHz Performance+ RDIMMs for Intel processor-based servers		
4X77A12184	B5N6	ThinkSystem 16GB TruDDR4 Performance+ 2933MHz (2Rx8 1.2V) RDIMM
4X77A12185	B5N7	ThinkSystem 32GB TruDDR4 Performance+ 2933MHz (2Rx4 1.2V) RDIMM
4X77A12186	B5N8	ThinkSystem 64GB TruDDR4 Performance+ 2933MHz (2Rx4 1.2V) RDIMM
2933 MHz Performance+ 3DS RDIMMs for Intel processor-based servers		
4X77A12187	B5N9	ThinkSystem 128GB TruDDR4 Performance+ 2933MHz (4Rx4 1.2V) 3DS RDIMM
4X77A64957	B5NA	ThinkSystem 256GB TruDDR4 Performance+ 2933MHz (8Rx4 1.2V) 3DS RDIMM

2933 MHz DDR4 memory for AMD servers

Table 6. 2933 MHz TruDDR4 DIMMs for AMD processor-based servers

Part number	Feature code	Description
2933 MHz RDIMMs for AMD processor-based servers		
4ZC7A08739	B7MS	ThinkSystem 8GB TruDDR4 2933MHz (1Rx8 1.2V) RDIMM-A
4ZC7A08740	B7MT	ThinkSystem 16GB TruDDR4 2933MHz (1Rx4 1.2V) RDIMM-A
4ZC7A08741	B7MU	ThinkSystem 16GB TruDDR4 2933MHz (2Rx8 1.2V) RDIMM-A

2666 MHz DDR4 memory

Table 7. 2666 MHz TruDDR4 DIMM ordering information

Part number	Feature code	Description
2666 MHz RDIMMs		
2666 MHz LRDIMMs		
4X77A78614	BNVN	ThinkSystem SE350 64GB TruDDR4 2666 MHz (4Rx4 1.2V) LRDIMM
2666 MHz ECC UDIMMs		
4ZC7A08696	B35J	ThinkSystem 8GB TruDDR4 2666MHz (1Rx8, 1.2V) UDIMM
4ZC7A08699	B35K	ThinkSystem 16GB TruDDR4 2666MHz (2Rx8, 1.2V) UDIMM
4ZC7A15142	B96E	ThinkSystem 32GB TruDDR4 2666MHz (2Rx8, 1.2V) ECC UDIMM
2666 MHz Non-ECC UDIMMs		
4ZC7A08701	B35M	ThinkSystem 8GB TruDDR4 2666MHz (1Rx8, 1.2V) Non-ECC UDIMM
4ZC7A08702	B35N	ThinkSystem 16GB TruDDR4 2666MHz (2Rx8, 1.2V) Non-ECC UDIMM

Intel Optane Persistent Memory 200 Series (3200 MHz)

Table 8. Intel Optane Persistent Memory 200 Series - 3200 MHz

Part number	Feature code	Description
3200 MHz Persistent Memory		
4ZC7A08732	B98B	ThinkSystem 128GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory
4ZC7A08734	B98A	ThinkSystem 256GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory
4ZC7A08736	BB8T	ThinkSystem 512GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory

Server Support

Configurations notes:

- Some 2666 MHz memory is only supported with Gen 1 Xeon Scalable processors (codenamed "Skylake"), whereas other 2666 MHz memory is only supported with Gen 2 Xeon Scalable processors (codenamed "Cascade Lake"). These are indicated with the (1) and (2) footnotes in the table, respectively.
- 2933 MHz memory is not supported by Intel Xeon SP Gen 1 processors
- The support of 32GB UDIMMs on ST50, ST250, SR150 and SR250 requires a Intel Xeon E Series processor and UEFI firmware ISE114H or later
- 2666 MHz Persistent Memory is only supported by Intel Xeon SP Gen 2 processors
- 3200 MHz Persistent Memory is only supported by Intel Xeon SP Gen 3 processors
- Some servers support mixing memory speeds; all memory will operate at the lowest speed

Note: Lenovo branded memory shipped as option part numbers, as FRU service parts, or installed in the factory as part of a CTO order, may contain memory parts that *exceed* the technical specification of what is printed on the DIMM label or is stated in the DIMM ordering information. Your server's system UEFI firmware may need to be updated to support such DIMMs. See Lenovo Support Tip HT509191 for additional information.

The following tables list the ThinkSystem servers that are compatible, grouped by server form factor or processor -

Table 9. Server Support (Part 1 of 3)

		Edge				1S Intel V2			AMD V3					Intel V3					
Part Number	Description	SE350 (7Z46 / 7D1X)	SE350 V2 (7DA9)	SE360 V2 (7DAM)	SE450 (7D8T)	ST50 V2 (7D8K / 7D8J)	ST250 V2 (7D8G / 7D8F)	SR250 V2 (7D7R / 7D7Q)	SR635 V3 (7D9H / 7D9G)	SR655 V3 (7D9F / 7D9E)	SR645 V3 (7D9D / 7D9C)	SR665 V3 (7D9B / 7D9A)	SR675 V3 (7D9Q / 7D9R)	ST650 V3 (7D7B / 7D7A)	SR630 V3 (7D72 / 7D73)	SR650 V3 (7D75 / 7D76)	SR850 V3 (7D97 / 7D96)	SR860 V3 (7D94 / 7D93)	SR950 V3 (7DC5 / 7DC4)
DDR5 9x4 RDIMMs - 4800 MHz																			
4X77A77483	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 9x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N
4X77A77033	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 9x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N
DDR5 10x4 RDIMMs - 4800 MHz																			
4X77A77030	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 10x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y
4X77A77032	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y
BZC2	ThinkSystem 96GB TruDDR5 4800MHz (2Rx4) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N
DDR5 x8 RDIMMs - 4800 MHz																			
4X77A77029	ThinkSystem 16GB TruDDR5 4800MHz (1Rx8) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N
4X77A77031	ThinkSystem 32GB TruDDR5 4800MHz (2Rx8) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N
4800 MHz DDR5 10x4 3DS RDIMMs for Intel processor-based servers																			
4X77A77034	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM v2	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y
BY8F	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM v1	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N
4X77A77035	ThinkSystem 256GB TruDDR5 4800MHz (8Rx4) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y
4800 MHz DDR5 9x4 RDIMMs for AMD processor-based servers																			
4X77A81439	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 9x4 RDIMM-A	N	N	N	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N
4X77A81442	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 9x4 RDIMM-A	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N
4800 MHz DDR5 10x4 RDIMMs for AMD processor-based servers																			
4X77A81438	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 10x4 RDIMM-A	N	N	N	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N

		Edge				1S Intel V2			AMD V3					Intel V3					
Part Number	**Description**	SE350 (7Z46 / 7D1X)	SE350 V2 (7DA9)	SE360 V2 (7DAM)	SE450 (7D8T)	ST50 V2 (7D8K / 7D8J)	ST250 V2 (7D8G / 7D8F)	SR250 V2 (7D7R / 7D7Q)	SR635 V3 (7D9H / 7D9G)	SR655 V3 (7D9F / 7D9E)	SR645 V3 (7D9D / 7D9C)	SR665 V3 (7D9B / 7D9A)	SR675 V3 (7D9Q / 7D9R)	ST650 V3 (7D7B / 7D7A)	SR630 V3 (7D72 / 7D73)	SR650 V3 (7D75 / 7D76)	SR850 V3 (7D97 / 7D96)	SR860 V3 (7D94 / 7D93)	SR950 V3 (7DC5 / 7DC4)
4X77A81441	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM-A	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N
4X77A81448	ThinkSystem 96GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM-A	N	N	N	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N
4800 MHz DDR5 x8 RDIMMs for AMD processor-based servers																			
4X77A81437	ThinkSystem 16GB TruDDR5 4800MHz (1Rx8) RDIMM-A	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N
4X77A85812	ThinkSystem 24GB TruDDR5 4800MHz (1Rx8) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81440	ThinkSystem 32GB TruDDR5 4800MHz (2Rx8) RDIMM-A	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N
4X77A81447	ThinkSystem 48GB TruDDR5 4800MHz (2Rx8) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 10x4 3DS RDIMMs for AMD processor-based servers																			
4X77A81443	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM-A v2	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N
BYEE	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM-A v1	N	N	N	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N
4X77A81444	ThinkSystem 256GB TruDDR5 4800MHz (8Rx4) 3DS RDIMM-A	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N
3200 MHz DDR4 RDIMMs for Intel processor-based servers																			
4X77A08632	ThinkSystem 16GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A08633	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A08634	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A08635	ThinkSystem 64GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz RDIMMs for the ThinkSystem SE350																			
4X77A85855	ThinkSystem SE350 16GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A85861	ThinkSystem SE350 32GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 3DS RDIMMs for Intel processor-based servers																			
4X77A08636	ThinkSystem 128GB TruDDR4 3200 MHz (4Rx4 1.2V) 3DS RDIMM	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Part Number	Description	SE350 (7Z46 / 7D1X)	SE350 V2 (7DA9)	SE360 V2 (7DAM)	SE450 (7D8T)	ST50 V2 (7D8K / 7D8J)	ST250 V2 (7D8G / 7D8F)	SR250 V2 (7D7R / 7D7Q)	SR635 V3 (7D9H / 7D9G)	SR655 V3 (7D9F / 7D9E)	SR645 V3 (7D9D / 7D9C)	SR665 V3 (7D9B / 7D9A)	SR675 V3 (7D9Q / 7D9R)	ST650 V3 (7D7B / 7D7A)	SR630 V3 (7D72 / 7D73)	SR650 V3 (7D75 / 7D76)	SR850 V3 (7D97 / 7D96)	SR860 V3 (7D94 / 7D93)	SR950 V3 (7DC5 / 7DC4)
		Edge				**1S Intel V2**			**AMD V3**					**Intel V3**					
3200 MHz DDR4 UDIMMs																			
4X77A77494	ThinkSystem 8GB TruDDR4 3200 MHz (1Rx8, 1.2V) ECC UDIMM	N	N	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
4X77A77495	ThinkSystem 16GB TruDDR4 3200 MHz (2Rx8, 1.2V) ECC UDIMM	N	N	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
4X77A77496	ThinkSystem 32GB TruDDR4 3200MHz (2Rx8, 1.2V) ECC UDIMM	N	N	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 RDIMMs for AMD processor-based servers																			
4ZC7A15121	ThinkSystem 16GB TruDDR4 3200MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A15122	ThinkSystem 32GB TruDDR4 3200MHz (2Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A15123	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A15124	ThinkSystem 64GB TruDDR4 3200MHz (2Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 3DS RDIMMs for AMD processor-based servers																			
4ZC7A15125	ThinkSystem 128GB TruDDR4 3200MHz (4Rx4, 1.2V) 3DS RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 Performance+ RDIMMs for AMD processor-based servers																			
4X77A12188	ThinkSystem 32GB TruDDR4 Performance+ 3200 MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A12189	ThinkSystem 64GB TruDDR4 Performance+ 3200 MHz (2Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2933 MHz DDR4 RDIMMs for Intel processor-based servers																			
4ZC7A08706	ThinkSystem 8GB TruDDR4 2933MHz (1Rx8 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08707	ThinkSystem 16GB TruDDR4 2933 MHz (1Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08708	ThinkSystem 16GB TruDDR4 2933MHz (2Rx8 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08709	ThinkSystem 32GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Part Number	Description	SE350 (7Z46 / 7D1X)	SE350 V2 (7DA9)	SE360 V2 (7DAM)	SE450 (7D8T)	ST50 V2 (7D8K / 7D8J)	ST250 V2 (7D8G / 7D8F)	SR250 V2 (7D7R / 7D7Q)	SR635 V3 (7D9H / 7D9G)	SR655 V3 (7D9F / 7D9E)	SR645 V3 (7D9D / 7D9C)	SR665 V3 (7D9B / 7D9A)	SR675 V3 (7D9Q / 7D9R)	ST650 V3 (7D7B / 7D7A)	SR630 V3 (7D72 / 7D73)	SR650 V3 (7D75 / 7D76)	SR850 V3 (7D97 / 7D96)	SR860 V3 (7D94 / 7D93)	SR950 V3 (7DC5 / 7DC4)
		Edge				**1S Intel V2**			**AMD V3**					**Intel V3**					
4ZC7A08710	ThinkSystem 64GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2933 MHz DDR4 3DS RDIMMs																			
4ZC7A15113	ThinkSystem 128GB TruDDR4 2933MHz (4Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08727	ThinkSystem 256GB TruDDR4 2933MHz (8Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2933 MHz DDR4 Performance+ RDIMMs for Intel processor-based servers																			
4X77A12184	ThinkSystem 16GB TruDDR4 Performance+ 2933MHz (2Rx8 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A12185	ThinkSystem 32GB TruDDR4 Performance+ 2933MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A12186	ThinkSystem 64GB TruDDR4 Performance+ 2933MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2933 MHz DDR4 Performance+ 3DS RDIMMs for Intel processor-based servers																			
4X77A12187	ThinkSystem 128GB TruDDR4 Performance+ 2933MHz (4Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A64957	ThinkSystem 256GB TruDDR4 Performance+ 2933MHz (8Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2933 MHz DDR4 RDIMMs for AMD processor-based servers																			
4ZC7A08739	ThinkSystem 8GB TruDDR4 2933MHz (1Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08740	ThinkSystem 16GB TruDDR4 2933MHz (1Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08741	ThinkSystem 16GB TruDDR4 2933MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2666 MHz DDR4 LRDIMMs																			
4X77A78614	ThinkSystem SE350 64GB TruDDR4 2666 MHz (4Rx4 1.2V) LRDIMM	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2666 MHz DDR4 ECC UDIMMs																			
4ZC7A08696	ThinkSystem 8GB TruDDR4 2666MHz (1Rx8, 1.2V) UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Part Number	Description	Edge				1S Intel V2			AMD V3					Intel V3					
		SE350 (7Z46 / 7D1X)	SE350 V2 (7DA9)	SE360 V2 (7DAM)	SE450 (7D8T)	ST50 V2 (7D8K / 7D8J)	ST250 V2 (7D8G / 7D8F)	SR250 V2 (7D7R / 7D7Q)	SR635 V3 (7D9H / 7D9G)	SR655 V3 (7D9F / 7D9E)	SR645 V3 (7D9D / 7D9C)	SR665 V3 (7D9B / 7D9A)	SR675 V3 (7D9Q / 7D9R)	ST650 V3 (7D7B / 7D7A)	SR630 V3 (7D72 / 7D73)	SR650 V3 (7D75 / 7D76)	SR850 V3 (7D97 / 7D96)	SR860 V3 (7D94 / 7D93)	SR950 V3 (7DC5 / 7DC4)
4ZC7A08699	ThinkSystem 16GB TruDDR4 2666MHz (2Rx8, 1.2V) UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A15142	ThinkSystem 32GB TruDDR4 2666MHz (2Rx8, 1.2V) ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2666 MHz DDR4 Non-ECC UDIMMs																			
4ZC7A08701	ThinkSystem 8GB TruDDR4 2666MHz (1Rx8, 1.2V) Non-ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08702	ThinkSystem 16GB TruDDR4 2666MHz (2Rx8, 1.2V) Non-ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz Persistent Memory 200 Series																			
4ZC7A08732	ThinkSystem 128GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08734	ThinkSystem 256GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08736	ThinkSystem 512GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Table 10. Server Support (Part 2 of 3)

Part Number	Description	Dense V3				2S Intel V2				AMD V1					Dense V2				4S V2		8S
		SD665 V3 (7D9P)	SD665-N V3 (7DAZ)	SD650 V3 (7D7M)	SD650-I V3 (7D7L)	ST650 V2 (7Z75 / 7Z74)	SR630 V2 (7Z70 / 7Z71)	SR650 V2 (7Z72 / 7Z73)	SR670 V2 (7Z22 / 7Z23)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR655 Client OS	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)	SD630 V2 (7D1K)	SD650 V2 (7D1M)	SD650-N V2 (7D1N)	SN550 V2 (7Z69)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SR950 (7X11 / 7X12)
DDR5 9x4 RDIMMs - 4800 MHz																					
4X77A77483	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 9x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Part Number	Description	Dense V3				2S Intel V2				AMD V1					Dense V2				4S V2		8S
		SD665 V3 (7D9P)	SD665-N V3 (7DAZ)	SD650 V3 (7D7M)	SD650-I V3 (7D7L)	ST650 V2 (7Z75 / 7Z74)	SR630 V2 (7Z70 / 7Z71)	SR650 V2 (7Z72 / 7Z73)	SR670 V2 (7Z22 / 7Z23)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR655 Client OS	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)	SD630 V2 (7D1K)	SD650 V2 (7D1M)	SD650-N V2 (7D1N)	SN550 V2 (7Z69)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SR950 (7X11 / 7X12)
4X77A77033	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 9x4 RDIMM	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DDR5 10x4 RDIMMs - 4800 MHz																					
4X77A77030	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 10x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77032	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
BZC2	ThinkSystem 96GB TruDDR5 4800MHz (2Rx4) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DDR5 x8 RDIMMs - 4800 MHz																					
4X77A77029	ThinkSystem 16GB TruDDR5 4800MHz (1Rx8) RDIMM	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77031	ThinkSystem 32GB TruDDR5 4800MHz (2Rx8) RDIMM	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 10x4 3DS RDIMMs for Intel processor-based servers																					
4X77A77034	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM v2	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
BY8F	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM v1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77035	ThinkSystem 256GB TruDDR5 4800MHz (8Rx4) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 9x4 RDIMMs for AMD processor-based servers																					
4X77A81439	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 9x4 RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

		Dense V3				2S Intel V2				AMD V1					Dense V2				4S V2		8S
Part Number	Description	SD665 V3 (7D9P)	SD665-N V3 (7DAZ)	SD650 V3 (7D7M)	SD650-I V3 (7D7L)	ST650 V2 (7Z75 / 7Z74)	SR630 V2 (7Z70 / 7Z71)	SR650 V2 (7Z72 / 7Z73)	SR670 V2 (7Z22 / 7Z23)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR655 Client OS	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)	SD630 V2 (7D1K)	SD650 V2 (7D1M)	SD650-N V2 (7D1N)	SN550 V2 (7Z69)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SR950 (7X11 / 7X12)
4X77A81442	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 9x4 RDIMM-A	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 10x4 RDIMMs for AMD processor-based servers																					
4X77A81438	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 10x4 RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81441	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81448	ThinkSystem 96GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM-A	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 x8 RDIMMs for AMD processor-based servers																					
4X77A81437	ThinkSystem 16GB TruDDR5 4800MHz (1Rx8) RDIMM-A	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A85812	ThinkSystem 24GB TruDDR5 4800MHz (1Rx8) RDIMM-A	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81440	ThinkSystem 32GB TruDDR5 4800MHz (2Rx8) RDIMM-A	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81447	ThinkSystem 48GB TruDDR5 4800MHz (2Rx8) RDIMM-A	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 10x4 3DS RDIMMs for AMD processor-based servers																					
4X77A81443	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM-A v2	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
BYEE	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM-A v1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81444	ThinkSystem 256GB TruDDR5 4800MHz (8Rx4) 3DS RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 RDIMMs for Intel processor-based servers																					

		Dense V3				2S Intel V2				AMD V1					Dense V2				4S V2		8S
Part Number	Description	SD665 V3 (7D9P)	SD665-N V3 (7DAZ)	SD650 V3 (7D7M)	SD650-I V3 (7D7L)	ST650 V2 (7Z75 / 7Z74)	SR630 V2 (7Z70 / 7Z71)	SR650 V2 (7Z72 / 7Z73)	SR670 V2 (7Z22 / 7Z23)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR655 Client OS	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)	SD630 V2 (7D1K)	SD650 V2 (7D1M)	SD650-N V2 (7D1N)	SN550 V2 (7Z69)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SR950 (7X11 / 7X12)
4X77A08632	ThinkSystem 16GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	Y	Y	N
4X77A08633	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	Y	Y	N
4X77A08634	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	Y	Y	N
4X77A08635	ThinkSystem 64GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	Y	Y	N
3200 MHz RDIMMs for the ThinkSystem SE350																					
4X77A85855	ThinkSystem SE350 16GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A85861	ThinkSystem SE350 32GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 3DS RDIMMs for Intel processor-based servers																					
4X77A08636	ThinkSystem 128GB TruDDR4 3200 MHz (4Rx4 1.2V) 3DS RDIMM	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	Y	Y	N
3200 MHz DDR4 UDIMMs																					
4X77A77494	ThinkSystem 8GB TruDDR4 3200 MHz (1Rx8, 1.2V) ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77495	ThinkSystem 16GB TruDDR4 3200 MHz (2Rx8, 1.2V) ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77496	ThinkSystem 32GB TruDDR4 3200MHz (2Rx8, 1.2V) ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 RDIMMs for AMD processor-based servers																					
4ZC7A15121	ThinkSystem 16GB TruDDR4 3200MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N	N

Part Number	Description	Dense V3				2S Intel V2				AMD V1					Dense V2				4S V2		8S
		SD665 V3 (7D9P)	SD665-N V3 (7DAZ)	SD650 V3 (7D7M)	SD650-I V3 (7D7L)	ST650 V2 (7Z75 / 7Z74)	SR630 V2 (7Z70 / 7Z71)	SR650 V2 (7Z72 / 7Z73)	SR670 V2 (7Z22 / 7Z23)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR655 Client OS	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)	SD630 V2 (7D1K)	SD650 V2 (7D1M)	SD650-N V2 (7D1N)	SN550 V2 (7Z69)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SR950 (7X11 / 7X12)
4ZC7A15122	ThinkSystem 32GB TruDDR4 3200MHz (2Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
4ZC7A15123	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
4ZC7A15124	ThinkSystem 64GB TruDDR4 3200MHz (2Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
3200 MHz DDR4 3DS RDIMMs for AMD processor-based servers																					
4ZC7A15125	ThinkSystem 128GB TruDDR4 3200MHz (4Rx4, 1.2V) 3DS RDIMM-A	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
3200 MHz DDR4 Performance+ RDIMMs for AMD processor-based servers																					
4X77A12188	ThinkSystem 32GB TruDDR4 Performance+ 3200 MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N
4X77A12189	ThinkSystem 64GB TruDDR4 Performance+ 3200 MHz (2Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N
2933 MHz DDR4 RDIMMs for Intel processor-based servers																					
4ZC7A08706	ThinkSystem 8GB TruDDR4 2933MHz (1Rx8 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08707	ThinkSystem 16GB TruDDR4 2933 MHz (1Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y[1]
4ZC7A08708	ThinkSystem 16GB TruDDR4 2933MHz (2Rx8 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y[1]
4ZC7A08709	ThinkSystem 32GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y[1]
4ZC7A08710	ThinkSystem 64GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y[1]
2933 MHz DDR4 3DS RDIMMs																					

		Dense V3				2S Intel V2				AMD V1					Dense V2				4S V2		8S
Part Number	**Description**	SD665 V3 (7D9P)	SD665-N V3 (7DAZ)	SD650 V3 (7D7M)	SD650-I V3 (7D7L)	ST650 V2 (7Z75 / 7Z74)	SR630 V2 (7Z70 / 7Z71)	SR650 V2 (7Z72 / 7Z73)	SR670 V2 (7Z22 / 7Z23)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR655 Client OS	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)	SD630 V2 (7D1K)	SD650 V2 (7D1M)	SD650-N V2 (7D1N)	SN550 V2 (7Z69)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SR950 (7X11 / 7X12)
4ZC7A15113	ThinkSystem 128GB TruDDR4 2933MHz (4Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	N	N	N	Y[2]	Y[2]	Y	N	N	N	N	N	N	N	N	Y[1]
4ZC7A08727	ThinkSystem 256GB TruDDR4 2933MHz (8Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	Y	Y	N	N	N	N	Y	Y	N	N	N	N	Y	Y	Y[1]
2933 MHz DDR4 Performance+ RDIMMs for Intel processor-based servers																					
4X77A12184	ThinkSystem 16GB TruDDR4 Performance+ 2933MHz (2Rx8 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y[1]
4X77A12185	ThinkSystem 32GB TruDDR4 Performance+ 2933MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y[1]
4X77A12186	ThinkSystem 64GB TruDDR4 Performance+ 2933MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y[1]
2933 MHz DDR4 Performance+ 3DS RDIMMs for Intel processor-based servers																					
4X77A12187	ThinkSystem 128GB TruDDR4 Performance+ 2933MHz (4Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y[1]
4X77A64957	ThinkSystem 256GB TruDDR4 Performance+ 2933MHz (8Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
2933 MHz DDR4 RDIMMs for AMD processor-based servers																					
4ZC7A08739	ThinkSystem 8GB TruDDR4 2933MHz (1Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N
4ZC7A08740	ThinkSystem 16GB TruDDR4 2933MHz (1Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N
4ZC7A08741	ThinkSystem 16GB TruDDR4 2933MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N
2666 MHz DDR4 LRDIMMs																					

		Dense V3				2S Intel V2				AMD V1					Dense V2				4S V2		8S
Part Number	Description	SD665 V3 (7D9P)	SD665-N V3 (7DAZ)	SD650 V3 (7D7M)	SD650-I V3 (7D7L)	ST650 V2 (7Z75 / 7Z74)	SR630 V2 (7Z70 / 7Z71)	SR650 V2 (7Z72 / 7Z73)	SR670 V2 (7Z22 / 7Z23)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR655 Client OS	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)	SD630 V2 (7D1K)	SD650 V2 (7D1M)	SD650-N V2 (7D1N)	SN550 V2 (7Z69)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SR950 (7X11 / 7X12)
4X77A78614	ThinkSystem SE350 64GB TruDDR4 2666 MHz (4Rx4 1.2V) LRDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2666 MHz DDR4 ECC UDIMMs																					
4ZC7A08696	ThinkSystem 8GB TruDDR4 2666MHz (1Rx8, 1.2V) UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08699	ThinkSystem 16GB TruDDR4 2666MHz (2Rx8, 1.2V) UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A15142	ThinkSystem 32GB TruDDR4 2666MHz (2Rx8, 1.2V) ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2666 MHz DDR4 Non-ECC UDIMMs																					
4ZC7A08701	ThinkSystem 8GB TruDDR4 2666MHz (1Rx8, 1.2V) Non-ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08702	ThinkSystem 16GB TruDDR4 2666MHz (2Rx8, 1.2V) Non-ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz Persistent Memory 200 Series																					
4ZC7A08732	ThinkSystem 128GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory	N	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y	N
4ZC7A08734	ThinkSystem 256GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N
4ZC7A08736	ThinkSystem 512GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N

1. Only supported with **second generation** Intel Xeon Scalable processors ("Cascade Lake") and not supported with first generation Intel Xeon Scalable processors ("Skylake")

2. Supported in the SR635 and SR655 only with an EPYC 7002 processor. Not supported with an EPYC 7003 processor.

Table 11. Server Support (Part 3 of 3)

Part Number	Description	SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y52 / 7Y51)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)
		4S V1			**1S Intel V1**				**2S Intel V1**								**Dense V1**			
DDR5 9x4 RDIMMs - 4800 MHz																				
4X77A77483	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 9x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77033	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 9x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DDR5 10x4 RDIMMs - 4800 MHz																				
4X77A77030	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 10x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77032	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
BZC2	ThinkSystem 96GB TruDDR5 4800MHz (2Rx4) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
DDR5 x8 RDIMMs - 4800 MHz																				
4X77A77029	ThinkSystem 16GB TruDDR5 4800MHz (1Rx8) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77031	ThinkSystem 32GB TruDDR5 4800MHz (2Rx8) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 10x4 3DS RDIMMs for Intel processor-based servers																				
4X77A77034	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM v2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
BY8F	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM v1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77035	ThinkSystem 256GB TruDDR5 4800MHz (8Rx4) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 9x4 RDIMMs for AMD processor-based servers																				
4X77A81439	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 9x4 RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Part Number	Description	4S V1			1S Intel V1				2S Intel V1								Dense V1			
		SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y52 / 7Y51)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)
4X77A81442	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 9x4 RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 10x4 RDIMMs for AMD processor-based servers																				
4X77A81438	ThinkSystem 32GB TruDDR5 4800MHz (1Rx4) 10x4 RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81441	ThinkSystem 64GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81448	ThinkSystem 96GB TruDDR5 4800MHz (2Rx4) 10x4 RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 x8 RDIMMs for AMD processor-based servers																				
4X77A81437	ThinkSystem 16GB TruDDR5 4800MHz (1Rx8) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A85812	ThinkSystem 24GB TruDDR5 4800MHz (1Rx8) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81440	ThinkSystem 32GB TruDDR5 4800MHz (2Rx8) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81447	ThinkSystem 48GB TruDDR5 4800MHz (2Rx8) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4800 MHz DDR5 10x4 3DS RDIMMs for AMD processor-based servers																				
4X77A81443	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM-A v2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
BYEE	ThinkSystem 128GB TruDDR5 4800MHz (4Rx4) 3DS RDIMM-A v1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A81444	ThinkSystem 256GB TruDDR5 4800MHz (8Rx4) 3DS RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 RDIMMs for Intel processor-based servers																				

Part Number	Description	4S V1			1S Intel V1				2S Intel V1								Dense V1			
		SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y52 / 7Y51)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)
4X77A08632	ThinkSystem 16GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A08633	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A08634	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A08635	ThinkSystem 64GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz RDIMMs for the ThinkSystem SE350																				
4X77A85855	ThinkSystem SE350 16GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A85861	ThinkSystem SE350 32GB TruDDR4 3200 MHz (2Rx4 1.2V) RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 3DS RDIMMs for Intel processor-based servers																				
4X77A08636	ThinkSystem 128GB TruDDR4 3200 MHz (4Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 UDIMMs																				
4X77A77494	ThinkSystem 8GB TruDDR4 3200 MHz (1Rx8, 1.2V) ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77495	ThinkSystem 16GB TruDDR4 3200 MHz (2Rx8, 1.2V) ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A77496	ThinkSystem 32GB TruDDR4 3200MHz (2Rx8, 1.2V) ECC UDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 RDIMMs for AMD processor-based servers																				

Part Number	Description	4S V1			1S Intel V1				2S Intel V1								Dense V1			
		SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y52 / 7Y51)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)
4ZC7A15121	ThinkSystem 16GB TruDDR4 3200MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A15122	ThinkSystem 32GB TruDDR4 3200MHz (2Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A15123	ThinkSystem 32GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A15124	ThinkSystem 64GB TruDDR4 3200MHz (2Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 3DS RDIMMs for AMD processor-based servers																				
4ZC7A15125	ThinkSystem 128GB TruDDR4 3200MHz (4Rx4, 1.2V) 3DS RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz DDR4 Performance+ RDIMMs for AMD processor-based servers																				
4X77A12188	ThinkSystem 32GB TruDDR4 Performance+ 3200 MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4X77A12189	ThinkSystem 64GB TruDDR4 Performance+ 3200 MHz (2Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2933 MHz DDR4 RDIMMs for Intel processor-based servers																				
4ZC7A08706	ThinkSystem 8GB TruDDR4 2933MHz (1Rx8 1.2V) RDIMM	Y[1]	Y[1]	Y[1]	N	N	N	N	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	N	N	N	N	N
4ZC7A08707	ThinkSystem 16GB TruDDR4 2933 MHz (1Rx4 1.2V) RDIMM	Y[1]	Y[1]	Y[1]	N	N	N	N	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	N	N	N	Y[1]	Y[1]
4ZC7A08708	ThinkSystem 16GB TruDDR4 2933MHz (2Rx8 1.2V) RDIMM	Y[1]	Y[1]	Y[1]	N	N	N	N	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	N	Y[1]	Y[1]	Y[1]
4ZC7A08709	ThinkSystem 32GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM	Y[1]	Y[1]	Y[1]	N	N	N	N	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	N	N	Y[1]	Y[1]

Part Number	Description	4S V1			1S Intel V1				2S Intel V1								Dense V1			
		SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y52 / 7Y51)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)
4ZC7A08710	ThinkSystem 64GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM	Y[1]	Y[1]	Y[1]	N	N	N	N	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	Y[1]	N	N	Y[1]	Y[1]
2933 MHz DDR4 3DS RDIMMs																				
4ZC7A15113	ThinkSystem 128GB TruDDR4 2933MHz (4Rx4 1.2V) 3DS RDIMM	Y[1]	Y[1]	Y[1]	N	N	N	N	N	N	N	N	N	Y[1]	Y[1]	N	N	N	Y[1]	Y[1]
4ZC7A08727	ThinkSystem 256GB TruDDR4 2933MHz (8Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2933 MHz DDR4 Performance+ RDIMMs for Intel processor-based servers																				
4X77A12184	ThinkSystem 16GB TruDDR4 Performance+ 2933MHz (2Rx8 1.2V) RDIMM	Y[1]	Y[1]	Y[1]	N	N	N	N	N	N	N	N	N	Y[1]	Y[1]	Y[1]	N	N	N	N
4X77A12185	ThinkSystem 32GB TruDDR4 Performance+ 2933MHz (2Rx4 1.2V) RDIMM	Y[1]	Y[1]	Y[1]	N	N	N	N	N	N	N	N	N	Y[1]	Y[1]	Y[1]	N	N	N	N
4X77A12186	ThinkSystem 64GB TruDDR4 Performance+ 2933MHz (2Rx4 1.2V) RDIMM	Y[1]	Y[1]	Y[1]	N	N	N	N	N	N	N	N	N	Y[1]	Y[1]	N	N	N	N	N
2933 MHz DDR4 Performance+ 3DS RDIMMs for Intel processor-based servers																				
4X77A12187	ThinkSystem 128GB TruDDR4 Performance+ 2933MHz (4Rx4 1.2V) 3DS RDIMM	N	Y[1]	N	N	N	N	N	N	N	N	N	N	Y[1]	Y[1]	N	N	N	N	N
4X77A64957	ThinkSystem 256GB TruDDR4 Performance+ 2933MHz (8Rx4 1.2V) 3DS RDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2933 MHz DDR4 RDIMMs for AMD processor-based servers																				
4ZC7A08739	ThinkSystem 8GB TruDDR4 2933MHz (1Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08740	ThinkSystem 16GB TruDDR4 2933MHz (1Rx4 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

		4S V1			1S Intel V1				2S Intel V1								Dense V1			
Part Number	Description	SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y52 / 7Y51)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)
4ZC7A08741	ThinkSystem 16GB TruDDR4 2933MHz (2Rx8 1.2V) RDIMM-A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2666 MHz DDR4 LRDIMMs																				
4X77A78614	ThinkSystem SE350 64GB TruDDR4 2666 MHz (4Rx4 1.2V) LRDIMM	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2666 MHz DDR4 ECC UDIMMs																				
4ZC7A08696	ThinkSystem 8GB TruDDR4 2666MHz (1Rx8, 1.2V) UDIMM	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08699	ThinkSystem 16GB TruDDR4 2666MHz (2Rx8, 1.2V) UDIMM	N	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A15142	ThinkSystem 32GB TruDDR4 2666MHz (2Rx8, 1.2V) ECC UDIMM	N	N	N	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
2666 MHz DDR4 Non-ECC UDIMMs																				
4ZC7A08701	ThinkSystem 8GB TruDDR4 2666MHz (1Rx8, 1.2V) Non-ECC UDIMM	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08702	ThinkSystem 16GB TruDDR4 2666MHz (2Rx8, 1.2V) Non-ECC UDIMM	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3200 MHz Persistent Memory 200 Series																				
4ZC7A08732	ThinkSystem 128GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08734	ThinkSystem 256GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ZC7A08736	ThinkSystem 512GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

1. Only supported with **second generation** Intel Xeon Scalable processors ("Cascade Lake") and not supported with first generation Intel Xeon Scalable processors ("Skylake")

2. Only supported with **first generation** Intel Xeon Scalable processors ("Skylake") and not supported with second generation Intel Xeon Scalable processors ("Cascade Lake")

Operating system support

Most memory is operating system independent, however Persistent Memory is supported only by specific operating systems as listed in the following tables:

- Intel Optane Persistent Memory 200 Series
- Intel Optane Persistent Memory 100 Series

Table 12. Operating system support for ThinkSystem 128GB TruDDR4 3200MHz (1.2V) Intel Optane Persistent Memory, 4ZC7A08732

Operating systems	SE450	SN550 V2	SR630 V2	SR650 V2	SR670 V2	ST650 V2
Microsoft Windows Server 2019	Y	Y	Y	N	Y	Y
Microsoft Windows Server 2022	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.2	N	Y	N	N	Y	Y
Red Hat Enterprise Linux 8.3	N	Y	Y	N	Y	Y
Red Hat Enterprise Linux 8.4	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.5	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.6	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.7	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.8	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 9.0	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 9.1	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 9.2	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP2	N	Y	N	N	Y	Y
SUSE Linux Enterprise Server 15 SP2 with Xen	N	Y	N	N	Y	Y
SUSE Linux Enterprise Server 15 SP3	N	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP3 with Xen	N	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP4	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP4 with Xen	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP5	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP5 with Xen	Y	Y	Y	Y	Y	Y
Ubuntu 22.04 LTS	N	Y	Y	Y	Y	Y
VMware vSphere Hypervisor (ESXi) 7.0 U3	N	N	N	N	N	Y

Table 13. Operating system support for ThinkSystem featuring Intel Optane DC 128GB Persistent Memory, 4ZC7A15110

Operating systems	SD530 (Xeon Gen 2)	SD650 (Xeon Gen 2)	SN550 (Xeon Gen 2)	SN850 (Xeon Gen 2)	SR570 (Xeon Gen 2)	SR590 (Xeon Gen 2)	SR630 (Xeon Gen 2)	SR650 (Xeon Gen 2)	SR850 (Xeon Gen 2)	SR850P (Xeon Gen 2)	SR860 (Xeon Gen 2)	SR950 (Xeon Gen 2)
For OS support info. please refer to LeSI Best Recipe.	N	Y [1]	N	N	N	N	N	N	N	N	N	N
Microsoft Windows Server 2019	Y	N	Y	Y	Y	Y	Y	Y	Y [2]	Y	Y [2]	Y
Microsoft Windows Server 2022	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 7.6	Y	N	Y	Y	Y	Y	Y	Y	Y [2]	Y	Y [2]	Y
Red Hat Enterprise Linux 7.7	Y	N	Y	Y	Y	Y	Y	Y	Y [2]	Y	Y [2]	Y
Red Hat Enterprise Linux 7.8	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 7.9	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.0	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.1	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.2	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.3	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.4	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.5	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.6	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.7	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 8.8	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 9.0	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 9.1	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Red Hat Enterprise Linux 9.2	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 12 SP4	Y	N	Y	Y	Y	Y	Y	Y	Y [2]	Y	Y [2]	Y
SUSE Linux Enterprise Server 12 SP5	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 12 SP5 with Xen	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15	Y	N	Y	Y	Y	Y	Y	Y	Y [2]	Y	Y [2]	Y
SUSE Linux Enterprise Server 15 SP1	Y	N	Y	Y	Y	Y	Y	Y	Y [2]	Y	Y [2]	Y
SUSE Linux Enterprise Server 15 SP1 with Xen	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP2	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP2 with Xen	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP3	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP3 with Xen	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP4	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP4 with Xen	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP5	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
SUSE Linux Enterprise Server 15 SP5 with Xen	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y

Operating systems	SD530 (Xeon Gen 2)	SD650 (Xeon Gen 2)	SN550 (Xeon Gen 2)	SN850 (Xeon Gen 2)	SR570 (Xeon Gen 2)	SR590 (Xeon Gen 2)	SR630 (Xeon Gen 2)	SR650 (Xeon Gen 2)	SR850 (Xeon Gen 2)	SR850P (Xeon Gen 2)	SR860 (Xeon Gen 2)	SR950 (Xeon Gen 2)
Ubuntu 22.04 LTS	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
VMware vSphere Hypervisor (ESXi) 6.7 U1	Y	N	Y	Y	Y	Y	Y	Y	Y [2]	Y	Y [2]	Y
VMware vSphere Hypervisor (ESXi) 6.7 U3	Y	N	Y	Y	Y	Y	Y	Y	Y [2]	Y	Y [2]	Y
VMware vSphere Hypervisor (ESXi) 7.0	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
VMware vSphere Hypervisor (ESXi) 7.0 U1	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
VMware vSphere Hypervisor (ESXi) 7.0 U2	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
VMware vSphere Hypervisor (ESXi) 7.0 U3	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
VMware vSphere Hypervisor (ESXi) 8.0	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
VMware vSphere Hypervisor (ESXi) 8.0 U1	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
VMware vSphere Hypervisor (ESXi) 8.0 U2	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y

[1] 1. This item is not a general stand-alone option for Lenovo ThinkSystem SD650 (Xeon SP Gen 2), M/T 7X58 (Xeon SP Gen 2). 2. For OS support matrix, pls refer to LeSI Best Recipe. 3. This item shall be installed/removed by Lenovo support rep only.

[2] When OCPMM (AEP) is installed, the maximum ambient temperature can be 30 °C. When operating above 30 °C, or in the event of a fan failure, the server will continue to function as long as all component temperature requirements are met, however, there may be performance reductions.Detail information please refer to Support Tip HT508512

Learn More

For more information, see these resources:

- Intel Optane DC Persistent Memory product guide
  https://lenovopress.com/lp1066-intel-optane-dc-persistent-memory
- Optimizing Memory Performance of Lenovo ThinkSystem Servers
  https://lenovopress.com/lp0697-optimizing-memory-performance-of-lenovo-thinksystem-servers
- Lenovo ThinkSystem SD530 Performance Considerations with 12 DIMMs and 16 DIMMs
  https://lenovopress.com/lp0659-thinksystem-sd530-performance-considerations
- ThinkSystem Memory Configurator
  https://dcsc.lenovo.com/#/memory_configuration

Related product families

Product families related to this document are the following:

- Memory

Notices

Lenovo may not offer the products, services, or features discussed in this document in all countries. Consult your local Lenovo representative for information on the products and services currently available in your area. Any reference to a Lenovo product, program, or service is not intended to state or imply that only that Lenovo product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any Lenovo intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any other product, program, or service. Lenovo may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

Lenovo (United States), Inc.
8001 Development Drive
Morrisville, NC 27560
U.S.A.
Attention: Lenovo Director of Licensing

LENOVO PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. Lenovo may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

The products described in this document are not intended for use in implantation or other life support applications where malfunction may result in injury or death to persons. The information contained in this document does not affect or change Lenovo product specifications or warranties. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Lenovo or third parties. All information contained in this document was obtained in specific environments and is presented as an illustration. The result obtained in other operating environments may vary. Lenovo may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Any references in this publication to non-Lenovo Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this Lenovo product, and use of those Web sites is at your own risk. Any performance data contained herein was determined in a controlled environment. Therefore, the result obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

This document, LP1021, was created or updated on October 3, 2023.

Send us your comments in one of the following ways:

- Use the online Contact us review form found at:
  https://lenovopress.lenovo.com/LP1021
- Send your comments in an e-mail to:
  comments@lenovopress.com

This document is available online at https://lenovopress.lenovo.com/LP1021.

Trademarks

Lenovo and the Lenovo logo are trademarks or registered trademarks of Lenovo in the United States, other countries, or both. A current list of Lenovo trademarks is available on the Web at https://www.lenovo.com/us/en/legal/copytrade/.

The following terms are trademarks of Lenovo in the United States, other countries, or both:
Lenovo®
ThinkSystem®
TruDDR4

The following terms are trademarks of other companies:

Intel®, Intel Optane™, and Xeon® are trademarks of Intel Corporation or its subsidiaries.

Linux® is the trademark of Linus Torvalds in the U.S. and other countries.

Microsoft®, Windows Server®, and Windows® are trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product, or service names may be trademarks or service marks of others.