



DDR4 2933 LRDIMM

VALIDATION RESULTS

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DDR4 2933 1.2V LRDIMM System-Level Validation Results on 2nd Generation Intel® Xeon® Scalable Processors listed below are the results from a small sample of DDR4 LRDIMMs tested on 2nd Generation Intel® Xeon® Scalable Processors code-named Cascade Lake-SP. We are providing this information as a guide to module compatibility with Intel Server reference platforms. This testing is not intended to replace the normal OEM qualification process. All parts used are recommended to be run with latest Intel® platform Reference Code Production Version.

LRDIMM SR/DR DDR4-
 8Gb/16Gb: 2933 MT/s 1.2V 1DIMM per channel; 2 slots per channel; 6 channels
 16Gb: 2666 MT/s1.2V 2DIMM per channel; 2 slots per channel; 6 channel

DIMM					DRAM					Register/Buffer		
DIMM Supplier	DIMM Part Number	Size	CL	Raw Card	DRAM Supplier	DRAM Part Number	Die Density	Width	Date Code	Vendor	Register Rev	Buffer Rev
Crucial	CT64G4LFQ4293.36DD1	64GB	21	E2	Micron	MT40A4G4NRE-068:D	8Gb DDP	x4	1810	IDT	C1	C2
Crucial	CT64G4LFQ4293.36DD1	64GB	21	E2	Micron	MT40A4G4NRE-068:D	8Gb DDP	x4	1812	Montage	H1	H2
Crucial	CT128G4ZFJ429S.36QE1	128GB	24	B1	Micron	MT40A8G4CLU-068H:E	8Gb 3DS	x4	1812	Montage	H1	H2
Crucial	CT128G4ZFJ429S.36QE1	128GB	24	B1	Micron	MT40A8G4CLU-068H:E	8Gb 3DS	x4	1812	IDT	C1	C2
Crucial	CT64G4LD4293.36FB1	64GB	21	B1	Micron	MT40A4G4VA-062E:B	16Gb SDP	x4	1942	IDT	C1	C2
Crucial	CT64G4LD4293.36FB1	64GB	21	B1	Micron	MT40A4G4VA-062E:B	16Gb SDP	x4	1942	Montage	H1	H2
Micron	MTA72ASS8G72LZ-2G9D1	64GB	21	E2	Micron	MT40A4G4NRE-068:D	8Gb DDP	x4	1810	IDT	C1	C2
Micron	MTA72ASS8G72LZ-2G9D1	64GB	21	E2	Micron	MT40A4G4NRE-068:D	8Gb DDP	x4	1812	Montage	H1	H2
Micron	MTA144ASQ16G72LSZ-2S9E1	128GB	24	B1	Micron	MT40A8G4CLU-068H:E	8Gb 3DS	x4	1812	Montage	H1	H2
Micron	MTA144ASQ16G72LSZ-2S9E1	128GB	24	B1	Micron	MT40A8G4CLU-068H:E	8Gb 3DS	x4	1812	IDT	C1	C2
Micron	MTA36ASF8G72LZ-2G9B1	64GB	21	B1	Micron	MT40A4G4VA-062E:B	16Gb SDP	x4	1942	IDT	C1	C2
Micron	MTA36ASF8G72LZ-2G9B1	64GB	21	B1	Micron	MT40A4G4VA-062E:B	16Gb SDP	x4	1942	Montage	H1	H2
Samsung	M386A8K40CM2-CVF	64GB	21	D2	Samsung	K4A8G045WC-MCVF	8Gb DDP	x4	1824	IDT	C1	C2
Samsung	M386A8K40CM2-CVF	64GB	21	D2	Samsung	K4AAG045WC-MCVF	8Gb DDP	x4	1824	Montage	H1	H2
Samsung	M386A8K40DM2-CVFC0	64GB	21	D2	Samsung	K4AAG045WD-MCVF	8Gb DDP	x4	1846	Montage	H1	H2
Samsung	M386A8K40DM2-CVFB0	64GB	21	D2	Samsung	K4AAG045WD-MCVF	8Gb DDP	x4	1846	IDT	C1	C2
Samsung	M386AAG40MM2-CVF	128GB	21	D2	Samsung	K4AAG045WA-MCVF	16Gb DDP	x4	1838	IDT	C1	C2
Samsung	M386AAG40MM2-CVF	128GB	21	D2	Samsung	K4AAG045WA-MCVF	16Gb DDP	x4	1838	MTG	H1	H2
Samsung	M386AAG40MMB-CVF	128GB	21	D2	Samsung	K4AAG045WA-MCVF	16Gb DDP	x4	1912	IDT	C1	C2
Samsung	M386AAG40MMB-CVF	128GB	21	D2	Samsung	K4AAG045WA-MCVF	16Gb DDP	x4	1912	MTG	H1	H2
SK hynix	HMABAGL7ABR4N-WMT4	128GB	21	D2	SK hynix	H5ANBG4NABR-WMC	16Gb DDP	x4	1925	Montage	H1	H2
SK hynix	HMABAGL7ABR4N-WMTG	128GB	21	D2	SK hynix	H5ANBG4NABR-WMC	16Gb DDP	x4	1925	IDT	C1	C2
SK hynix	HMABAGL7A2R4N-WRT5	128GB	24	A1	SK hynix	H5ANBG4TA2R-WMC	16Gb 3DS	x4	1933	Montage	H1	H3
SK hynix	HMABAGL7A2R4N-WRTH	128GB	24	A1	SK hynix	H5ANBG4TA2R-WMC	16Gb 3DS	x4	1933	IDT	C1	D1
SK hynix	HMABAGL7MBR4N-WMTG	128GB	21	D2	SK hynix	H5ANBG4NMBR-WMC	16Gb DDP	X4	1838	IDT	C1	C2
SK hynix	HMABAGL7MBR4N-WMT4	128GB	21	D2	SK hynix	H5ANBG4NMBR-WMC	16Gb DDP	X4	1838	MTG	H1	H2
SK hynix	HMABAGL7C4R4N-WRT4	128GB	24	B1	SK hynix	H5ANBG4TC4R-WRC	8Gb 3DS	x4	1835	Montage	H1	H2
SK hynix	HMABAGL7C4R4N-WRTG	128GB	24	B1	SK hynix	H5ANBG4TC4R-WRC	8Gb 3DS	x4	1835	IDT	C1	C2
SK hynix	HMAA8GL7CPR4N-WMT4	64GB	21	D2	SK hynix	H5ANAG4NCPR-WMC	8Gb DDP	x4	1817	Montage	H1	H2
SK hynix	HMAA8GL7CPR4N-WMTG	64GB	21	D2	SK hynix	H5ANAG4NCPR-WMC	8Gb DDP	x4	1817	IDT	C1	C2
SK hynix	HMAT14JWRLB126N	256GB	24	A1	SK hynix	H5AG64JWRDX042	16Gb 3DS	x4	2038	Montage	H1	H3
SK hynix	HMAT14JWRLB189N	256GB	24	A1	SK hynix	H5AG64JWRDX042	16Gb 3DS	x4	2038	IDT	C1	D1

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Approved Test Labs

The following test labs have the capability of performing ATE and system-level validation testing:

Advanced Validation Labs

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