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LRDIMM System-Level Validation Results on Intel® Xeon® E5-2600 Processor

Listed below are the results from a small sample of DDR3 LRDIMMs tested on Intel® Xeon® E5-2600 processor. 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. For results on specific Intel® motherboards or OEM production motherboards, please refer to the OEM's list of qualified memory suppliers.

Updated / New Part

The configurations validated only for the same supplier and same part number across memory channels

LRDIMM DDR3L-1066 Quad Rank 3DIMM Per Channel /3Slot Per Channel /4Channel

DIMM					DRAM					Buffer			
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Revision	Note	
Crucial	CT102472BL1339Q.36FMA5D	8GB	9	B	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	Inphi	GS02A		
Crucial	CT204872BL1339Q.36DMA5D	16GB	9	C	Micron	MT41K1G4THV-125:M	2Gb	x4	1130	Inphi	GS02A	1	
Crucial	CT16G3ELSLQ41339.36DMD	16GB	9	C	Micron	MT41K1G4THV-125:M	2Gb	x4	1130	Inphi	GS02A	1	
SK hynix	HMT42GL7BMR4A-H9	16GB	9	C	SK hynix	H5TC4G43BMR-H9A	2Gb	x4	1140	Inphi	GS02A	1	
SK hynix	HMT42GL7CMR4A-H9	16GB	9	C	SK hynix	H5TC4G43CMR-H9A	2Gb	x4	1205	Inphi	GS02A	1	
SK hynix	HMT42GL7CMR4A-H9MBAC	16GB	9	C	SK hynix	H5TC4G43CMR-H9A	2Gb	x4	1207	Montage	C0	1	
SK-hynix	HMT84GL7MMR4A-H9	32GB	9	C	SK-hynix	H5TC8G43MMR-H9A	4Gb	x4	1209	Inphi	GS02A	1	
SK hynix	HMT84GL7MMR4A-H9MBAC	32GB	9	C	SK hynix	H5TC8G43MMR-H9A	4Gb	x4	1207	Montage	C0	1	
Micron	MT72KSZS2G72LZ-1G4M1A5	16GB	9	C	Micron	MT41K1G4THV-125:M	2Gb	x4	1130	Inphi	GS02A	1	
Micron	MT36KSZF2G72LDZ-1G4E1A5	16GB	9	B	Micron	MT41K512M8RH-125:E	4Gb	x8	1216	Inphi	GS02A		
Micron	MT72KSZS4G72LZ-1G4E2A7	32GB	9	C	Micron	MT41K2G4TRF-125:E	4Gb	x4	1216	Inphi	GS02B	1	
Micron	MT72KSZS4G72LZ-1G4E2B3	32GB	9	C	Micron	MT41K2G4TRF-125:E	4Gb	x4	1216	IDT	D0	1	
Samsung	M386B2K70DM0-YH90	16GB	9	C	Samsung	K4B4G0446D-MYH9	2Gb	x4	1124	Inphi	GS02A	1	
Samsung	M386B4G70BM0-YH90	32GB	9	C	Samsung	K4B8G0446B-MYH9	4Gb	x4	1122	Inphi	GS02A	1	
Samsung	M386B4G70BM0-YH92	32GB	9	C	Samsung	K4B8G0446B-MYH9	4Gb	x4	1206	Montage	C0	1	

1 - DDP (Dual-Die Package)

Intel Platform Memory Operations

LRDIMM DDR3-1066 Quad Rank 3DIMM Per Channel / 3Slot Per Channel / 4Channel													
DIMM					DRAM						Buffer		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Revision	Note	
Crucial	CT102472BL1339Q.36FMA5D	8GB	9	B	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	Inphi	GS02A		
Crucial	CT204872BL1339Q.36DMA5D	16GB	9	C	Micron	MT41K1G4THV-125:M	2Gb	x4	1130	Inphi	GS02A	1	
Crucial	CT16G3ELSLQ41339.36DMD	16GB	9	C	Micron	MT41K1G4THV-125:M	2Gb	x4	1130	Inphi	GS02A	1	
SK hynix	HMT42GL7BMR4A-H9	16GB	9	C	SK hynix	H5TC4G43BMR-H9A	2Gb	x4	1140	Inphi	GS02A	1	
SK hynix	HMT42GL7CMR4A-H9	16GB	9	C	SK hynix	H5TC4G43CMR-H9A	2Gb	x4	1205	Inphi	GS02A	1	
SK hynix	HMT42GL7CMR4A-H9MBAC	16GB	9	C	SK hynix	H5TC4G43CMR-H9A	2Gb	x4	1207	Montage	C0	1	
SK hynix	HMT84GL7MMR4A-H9MBAC	32GB	9	C	SK hynix	H5TC8G43MMR-H9A	4Gb	x4	1207	Montage	C0	1	
Elpida	Ebj34LH4B3RA-DJ-F	32GB	9	K	Elpida	EDJ8404B3MA-DJ-F	4Gb	x4	1105	Inphi	GS02A	1	
Micron	MT36KSZF1G72LDZ-1G4M1A5	8GB	9	B	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	Inphi	GS02A		
Micron	MT72KSZS2G72LZ-1G4M1A5	16GB	9	C	Micron	MT41K1G4THV-125:M	2Gb	x4	1130	Inphi	GS02A	1	
Micron	MT36KSZF2G72LDZ-1G4D1A5	16GB	9	B	Micron	MT41K512M8RA-15E:D	4Gb	x8	1233	Inphi	GS02A		
Micron	MT72KSZS4G72LZ-1G4D1A5	32GB	9	C	Micron	MT41K2G4THE-15E:D	4Gb	x4	1233	Inphi	GS02A	1	
Micron	MT72KSZS4G72LZ-1G4D1C1	32GB	9	C	Micron	MT41K2G4THE-15E:D	4Gb	x4	1233	Montage	C0	1	
Samsung	M386B2K70DM0-YH90	16GB	9	C	Samsung	K4B4G0446D-MYH9	2Gb	x4	1124	Inphi	GS02A	1	
Samsung	M386B4G70BM0-YH90	32GB	9	C	Samsung	K4B8G0446B-MYH9	4Gb	x4	1122	Inphi	GS02A	1	
Samsung	M386B4G70BM0-YH92	32GB	9	C	Samsung	K4B8G0446B-MYH9	4Gb	x4	1206	Montage	C0	1	

1 - DDP (Dual-Die Package)

Intel Platform Memory Operations

LRDIMM DDR3-1333 Quad Rank 2DIMM Per Channel /3Slot Per Channel /4Channel													
DIMM					DRAM						Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Revision	Note	
Elpida	EBJ34LH4B3RA-DJ-F	32GB	9	K	Elpida	EDJ8404B3MA-DJ-F	4Gb	x4	1105	Inphi	GS02A	1	
SK hynix	HMT42GL7CMR4A-H9	16GB	9	C	SK-hynix	H5TC4G43CMR-H9A	2Gb	x4	1205	Inphi	GS02A	1	
SK hynix	HMT42GL7CMR4A-H9MBAC	16GB	9	C	SK hynix	H5TC4G43CMR-H9A	2Gb	x4	1207	Montage	C0	1	
SK hynix	HMT84GL7MMR4A-H9MBAC	32GB	9	C	SK hynix	H5TC8G43MMR-H9A	4Gb	x4	1207	Montage	C0	1	
SK hynix	HMT84GL7MMR4A-H9	32GB	9	C	SK hynix	H5TC8G43MMR-H9A	4Gb	x4	1209	Inphi	GS02A	1	
Samsung	M386B2K70DM0-YH90	16GB	9	C	Samsung	K4B4G0446D-MYH9	2Gb	x4	1124	Inphi	GS02A	1	
Samsung	M386B4G70BM0-YH90	32GB	9	C	Samsung	K4B8G0446B-MYH9	4Gb	x4	1122	Inphi	GS02A	1	
Samsung	M386B2K70DM0-YH92	16GB	9	C	Samsung	K4B4G0446D-MYH9	2Gb	x4	1213	Montage	C0	1	
Samsung	M386B4G70BM0-YH92	32GB	9	C	Samsung	K4B8G0446B-MYH9	4Gb	x4	1206	Montage	C0	1	

1 - DDP (Dual-Die Package)

Updated on November 26, 2013

Approved Test Labs:

The following test labs have the capability of performing the DDR3 LRDIMM system-level testing. For further information please contact:

Platform Memory Operations Lab

Advanced Validation Labs
 Rhonda Duda, Program Manager
 phone: 714-438-2787
rduda@validationlabs.com

