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1 DDR3 LRDIMM Validation Results

LRDIMM System-Level Validation Results on Intel® Xeon® E7-8800/4800/2800 v2 Processor Family

Listed below are the results from a small sample of DDR3 LRDIMMs tested on Intel® Xeon® E7-8800/4800/2800 v2 processor family. 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.

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

LRDIMM QR DDR3-1600 1.5V 1 and 2 DIMM Per Channel / 2 and 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
Micron	MT72KSZS4G72LZ-1G6E2A7	32GB	11	C	Micron	MT41K2G4TRF-125:E	4Gb	x4	1332	Inphi	GS02B	1
Micron	MT72KSZS4G72LZ-1G6E2C3	32GB	11	C	Micron	MT41K2G4TRF-125:E	4Gb	x4	1332	Montage	C1	1
SK hynix	HMT84GL7AMR4A-PB	32GB	11	C	SK hynix	H5TC8G43AMR-PBA	4Gb	x4	1326	Inphi	GS02B	1
SK hynix	HMT84GL7AMR4A-PB	32GB	11	C	SK hynix	H5TC8G43AMR-PBA	4Gb	x4	1322	Montage	C1	1

1 - DDP (Dual-Die Package)

LRDIMM QR DDR3-1333 1.5V 3DIMM Per Channel /3Slot Per Channel /4Channel

DIMM					DRAM					Buffer		
Supplier	Part Number	Size	CL	Raw	Supplier	Part Number	Density	Width	Date	Vendor	Revision	Note
SK hynix	HMT84GL7AMR4A-H9	32GB	9	C	SK hynix	H5TC8G43AMR-H9A	4Gb	x4	1318	Inphi	GS02B	1
SK hynix	HMT84GL7AMR4A-H9	32GB	9	C	SK hynix	H5TC8G43AMR-H9A	4Gb	x4	1318	Montage	C1	1
SK hynix	HMT84GL7AMR4A-PB	32GB	11	C	SK hynix	H5TC8G43AMR-PBA	4Gb	x4	1326	Inphi	GS02B	1
SK hynix	HMT84GL7AMR4A-PB	32GB	11	C	SK hynix	H5TC8G43AMR-PBA	4Gb	x4	1322	Montage	C1	1
Micron	MT72KSZS4G72LZ-1G6E2A7	32GB	11	C	Micron	MT41K2G4TRF-125:E	4Gb	x4	1332	Inphi	GS02B	1
Micron	MT72KSZS4G72LZ-1G6E2C3	32GB	11	C	Micron	MT41K2G4TRF-125:E	4Gb	x4	1332	Montage	C1	1

1 - DDP (Dual-Die Package)

LRDIMM QR DDR3L-1333 1.35V 1 and 2DIMM Per Channel /2 and 3Slot Per Channel /4Channel

DIMM					DRAM					Buffer		
Supplier	Part Number	Size	CL	Raw	Supplier	Part Number	Density	Width	Date	Vendor	Revision	Note
SK hynix	HMT84GL7AMR4A-H9	32GB	9	C	SK hynix	H5TC8G43AMR-H9A	4Gb	x4	1318	Inphi	GS02B	1
SK hynix	HMT84GL7AMR4A-H9	32GB	9	C	SK hynix	H5TC8G43AMR-H9A	4Gb	x4	1318	Montage	C1	1
SK hynix	HMT84GL7AMR4A-PB	32GB	11	C	SK hynix	H5TC8G43AMR-PBA	4Gb	x4	1326	Inphi	GS02B	1
SK hynix	HMT84GL7AMR4A-PB	32GB	11	C	SK hynix	H5TC8G43AMR-PBA	4Gb	x4	1322	Montage	C1	1
Micron	MT72KSZS4G72LZ-1G6E2A7	32GB	11	C	Micron	MT41K2G4TRF-125:E	4Gb	x4	1332	Inphi	GS02B	1
Micron	MT72KSZS4G72LZ-1G6E2C3	32GB	11	C	Micron	MT41K2G4TRF-125:E	4Gb	x4	1332	Montage	C1	1

1 - DDP (Dual-Die Package)

2 DDR3 LRDIMM Validation Results

LRDIMM 8R DDR3-1066 1.5V 1, 2 and 3DIMM Per Channel / 2 and 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
Micron	MT144KSZQ8G72LZ-1G4E1A7	64GB	9	E	Micron	MT41K4G4SMA-15E	4Gb	x4	1342	Inphi	GS02B	
Micron	MT144KSZQ8G72LZ-1G4E1C3	64GB	9	E	Micron	MT41K4G4SMA-15E	4Gb	x4	1342	Montage	C1	
SK hynix	HMTA8GL7AHR4C-PB	64GB	11	E	SK hynix	H5TQAG43AHR-PBC	4Gb	x4	1330	Inphi	GS02B	
SK hynix	HMTA8GL7AHR4C-PB	64GB	11	E	SK hynix	H5TQAG43AHR-PBC	4Gb	x4	1330	Montage	C1	

Updated on January 9, 2014

Parts may be capable of higher speed or lower voltages. All parts have been tested at POR configuration.

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
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