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Intel® Xeon® Processor 5600 Series (Westmere-EP) DDR3L UDIMM ECC System-level Validation Results

Listed below are the results of testing a small sample of DDR3L UDIMM ECC on next-generation Intel® Xeon® processor-based server motherboards. We are providing this information as a guide to module compatibility with Intel® server reference platforms using Intel® Xeon® processors code named Westmere-EP. This testing is not intended to replace the normal OEM component qualification process. For results on specific Intel® motherboards or OEM production motherboards, please refer to the OEM's list of qualified memory suppliers.

The table below represents the specific loading configurations by which DDR3L DIMMs were tested on Intel server reference platforms using next-generation Intel Xeon-based processors (Westmere-EP).

DDR3L-1066/1333 Unbuffered DIMM ECC Validation Results

Updated / New Parts

This configuration validated only for the same supplier and same part number across memory channels

UDIMM ECC DDR3L-1333 SR/DR 1DIMM/Channel											
DIMM					DRAM						
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Note	
A-Data	MI03A1B18C1ZK	2GB	9	E	Micron	MT41K128M8JP-15E:F	1Gb	x8	0926		
Elpida	EJB21EE8EDFA-DJ-F	2GB	9	E	Elpida	EDJ1108EDSE-DJ-F	1Gb	x8	0936		
Hynix	HMT112U7BFR8A-H9	1GB	9	D	Hynix	H5TC1G83BFR-H9A	1Gb	x8	0934		
Hynix	HMT112U7TFR8A-H9	1GB	9	D	Hynix	H5TC1G83TFR-H9A	1Gb	x8	1022		
Hynix	HMT325U7AFR8A-H9	2GB	9	D	Hynix	H5TC2G83AFR-H9A	2Gb	x8	0935		
Hynix	HMT325U7BFR8A-H9	2GB	9	D	Hynix	H5TC2G83BFR-H9A	2Gb	x8	1048		
Hynix	HMT125U7BFR8A-H9	2GB	9	E	Hynix	H5TC1G83BFR-H9A	1Gb	x8	0934		
Hynix	HMT125U7TFR8A-H9	2GB	9	E	Hynix	H5TC1G83TFR-H9A	1Gb	x8	1022		
Hynix	HMT351U7AFR8A-H9	4GB	9	E	Hynix	H5TC2G83AFR-H9A	2Gb	x8	0935		
Hynix	HMT351U7BFR8A-H9	4GB	9	E	Hynix	H5TC2G83BFR-H9A	2Gb	x8	1048		
Hynix	HMT351U7CFR8A-H9	4GB	9	E	Hynix	H5TC2G83CFR-H9A	2Gb	x8	1133		
Hynix	HMT41GU7MFR8A-H9	8GB	9	E	Hynix	H5TC4G83MFR-H9A	2Gb	x8	1132		
Micron	MT9KSF25672AZ-1G4D1	2GB	9	D	Micron	MT41K256M8HX-15E	2Gb	x8	1039		

UDIMM ECC DDR3L-1333 SR/DR 1DIMM/Channel											
DIMM					DRAM						
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Note	
Micron	MT9KSF25672AZ-1G4M1	2GB	9	D	Micron	MT41K256M8DA-125:M	2Gb	x8	1129		
Micron	MT18KSF51272AZ-1G4D1	4GB	9	E	Micron	MT41K256M8HX-15E	2Gb	x8	1039		
Micron	MT18KSF51272AZ-1G4M1	4GB	9	E	Micron	MT41K256M8DA-125:M	2Gb	x8	1129		
Micron	MT18KSF1G72AZ-1G4D1	8GB	9	E	Micron	MT41K512M8RA-15E:D	4Gb	x8	1137		
Nanya	NT2GC72C89B2NF-CG	2GB	9	D	Nanya	NT5CC256M8BN-CG	2Gb	x8	1044		
Nanya	NT2GC72C89G0NF-CG	2GB	9	D	Nanya	NT5CC256M8GN-CG	2Gb	x8	1134		
Nanya	NT4GC72C8PB2NF-CG	4GB	9	E	Nanya	NT5CC256M8BN-CG	2Gb	x8	1044		
Nanya	NT4GC72C8PG0NF-CG	4GB	9	E	Nanya	NT5CC256M8GN-CG	2Gb	x8	1134		
Samsung	M391B2873EH1-YH9	1GB	9	D	Samsung	K4B1G0846E-HYH9	1Gb	x8	0925		
Samsung	M391B2873FH0-YH9	1GB	9	D	Samsung	K4B1G0846F-HYH9	1Gb	x8	1010		
Samsung	M391B2873GB0-YH9	1GB	9	D	Samsung	K4B1G0846G-BYH9	1Gb	x8	1049		
Samsung	M391B5773BH1-YH9	2GB	9	D	Samsung	K4B2G0846B-HYH9	2Gb	x8	0925		
Samsung	M391B5773CH0-YH9	2GB	9	D	Samsung	K4B2G0846C-HYH9	2Gb	x8	1112		
Samsung	M391B5773DH0-YH9	2GB	9	D	Samsung	K4B2G0846D-HYH9	2Gb	x8	1040		
Samsung	M391B5673EH1-YH9	2GB	9	E	Samsung	K4B1G0846E-HYH9	1Gb	x8	0925		
Samsung	M391B5673FH0-YH9	2GB	9	E	Samsung	K4B1G0846F-HYH9	1Gb	x8	1010		
Samsung	M391B5673GB0-YH9	2GB	9	E	Samsung	K4B1G0846G-BYH9	1Gb	x8	1125		
Samsung	M391B5273BH1-YH9	4GB	9	E	Samsung	K4B2G0846B-HYH9	2Gb	x8	0925		
Samsung	M391B5273CH0-YH9	4GB	9	E	Samsung	K4B2G0846C-HYH9	2Gb	x8	1112		
Samsung	M391B5273DH0-YH9	2GB	9	E	Samsung	K4B2G0846D-HYH9	2Gb	x8	1107		
Samsung	M391B1G73AH0-YH9	8GB	9	E	Samsung	K4B4G0846A-HYH9	4Gb	x8	1049		
Samsung	M391B1G73BH0-YH9	8GB	9	E	Samsung	K4B4G0846B-HYH9	4Gb	x8	1110		

UDIMM ECC DDR3L-1066 SR/DR 2DIMM/Channel											
DIMM					DRAM						
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Note	
Elpida	EBJ21EE8EDFA-AE-F	2GB	7	E	Elpida	EDJ1108EDSE-DJ-F	1Gb	x8	0936		
Hynix	HMT112U7BFR8A-G7	1GB	7	D	Hynix	H5TC1G83BFR-G7A	1Gb	x8	0934		
Hynix	HMT112U7TFR8A-G7	1GB	7	D	Hynix	H5TC1G83TFR-G7A	1Gb	x8	1022		
Hynix	HMT325U7AFR8A-G7	2GB	7	D	Hynix	H5TC2G83AFR-G7A	2Gb	x8	0933		
Hynix	HMT325U7BFR8A-G7	2GB	7	D	Hynix	H5TC2G83BFR-G7A	2Gb	x8	1048		
Hynix	HMT125U7BFR8A-G7	2GB	7	E	Hynix	H5TC1G83BFR-G7A	1Gb	x8	0933		
Hynix	HMT125U7TFR8A-G7	2GB	7	E	Hynix	H5TC1G83TFR-G7A	1Gb	x8	1022		
Hynix	HMT351U7AFR8A-G7	4GB	7	E	Hynix	H5TC2G83AFR-G7A	2Gb	x8	0933		
Hynix	HMT351U7BFR8A-G7	4GB	7	E	Hynix	H5TC2G83BFR-G7A	2Gb	x8	1048		
Samsung	M391B2873EH1-YF8	1GB	7	D	Samsung	K4B1G0846E-HYF8	1Gb	x8	0937		
Samsung	M391B2873FH0-YF8	1GB	7	D	Samsung	K4B1G0846F-HYF8	1Gb	x8	1010		
Samsung	M391B2873GB0-YF8	1GB	7	D	Samsung	K4B1G0846G-BYF8	1Gb	x8	1104		
Samsung	M391B5773BH1-YF8	2GB	7	D	Samsung	K4B2G0846B-HYF8	2Gb	x8	0937		
Samsung	M391B5773CH0-YF8	2GB	7	D	Samsung	K4B2G0846C-HYF8	2Gb	x8	1112		
Samsung	M391B5773DH0-YF8	2GB	7	D	Samsung	K4B2G0846D-HYF8	2Gb	x8	1107		
Samsung	M391B5673FH0-YF8	2GB	7	E	Samsung	K4B1G0846F-HYF8	1Gb	x8	1010		
Samsung	M391B5673EH1-YF8	2GB	7	E	Samsung	K4B1G0846E-HYF8	1Gb	x8	0937		
Samsung	M391B5673GB0-YF8	2GB	7	E	Samsung	K4B1G0846G-BYF8	1Gb	x8	1125		
Samsung	M391B5273BH1-YF8	4GB	7	E	Samsung	K4B2G0846B-HYF8	2Gb	x8	0924		
Samsung	M391B5273CH0-YF8	4GB	7	E	Samsung	K4B2G0846C-HYF8	2Gb	x8	1112		
Samsung	M391B5273DH0-YF8	4GB	7	E	Samsung	K4B2G0846D-HYF8	2Gb	x8	1107		
Samsung	M391B1G73AH0-YF8	8GB	7	E	Samsung	K4B4G0846A-HYF8	4Gb	x8	1049		
Samsung	M391B1G73BH0-YF8	8GB	7	E	Samsung	K4B4G0846B-HYF8	4Gb	x8	1122		

Updated on Jan 9th, 2012

The validation window for this program is now closed however additional update to this list may occur in future.

