Intel Platform Memory Operations

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DDR3/L - 1600 Non-ECC UDIMM Validation Results 1DIMM/ch, 1 Slot per ch, 4 channels

Listed below are the results from a small sample of DDR3 1600 Non-ECC UDIMM modules tested on Intel reference desktop platforms based on Intel® X79 series chipset using Intel® Core™ i7 processors Socket LGA-2011 (codename Sandy Bridge-E). DIMMs tested at 1DIMMs/channel, 4 channels loading configuration. We are providing this information as a guide to module performance with Intel® reference platforms. 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.

DDR3/L-1600 (11-11-11) UDIMM non-ECC, 1DIMM/ch, 1 slot per ch, 4 channels, at Vdd=1.5V

DIMM Supplier	DIMM Part Number	DIMM Size	Native Voltage	Raw Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM DateCode	Tested Speed
Crucial	CT51264BA160B.16FMD	4GB	DDR3	B	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	1600 CL11
Elpida	EBJ20UF8BCF0-GN-F	2GB	DDR3	A	Elpida	EDJ2108BCSE-GN-F	2Gb	x8	1053	1600 CL11
Elpida	EBJ41UF8BCF0-GN-F	4GB	DDR3	B	Elpida	EDJ2108BCSE-GN-F	2Gb	x8	1053	1600 CL11
Elpida	EBJ41UF8BDW0-GN-F	4GB	DDR3	B	Elpida	EDJ2108BDBG-GN-F	2Gb	x8	1203	1600 CL11
Elpida	EBJ20UF8BDW0-GN-F	2GB	DDR3	A	Elpida	EDJ2108BDBG-GN-F	2Gb	x8	1203	1600 CL11
Elpida	EBJ40UG8BBW0-GN-F	4GB	DDR3	A	Elpida	EDJ4208BBBG-GN-F	4Gb	x8	1201	1600 CL11
Elpida	EBJ81UG8BBW0-GN-F	8GB	DDR3	B	Elpida	EDJ4208BBBG-GN-F	4Gb	x8	1201	1600 CL11

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Kingston	KVR1600D3N11/2G	2GB	DDR3	A	Elpida	EDJ2108BDBG-GN-F	2Gb	x8	1203	1600 CL11
Ramaxel	RMR5040ED58E9W	4GB	DDR3	B	Elpida	EDJ2108BDBG-GN-F	2Gb	x8	1203	1600 CL11
SK hynix	HMT325U6CFR8C-PB	2GB	DDR3	A	SK hynix	H5TQ2G83CFR-PBC	2Gb	x8	1133	1600 CL11
SK hynix	HMT351U6CFR8C-PB	4GB	DDR3	B	SK hynix	H5TQ2G83CFR-PBC	2Gb	x8	1133	1600 CL11
SK hynix	HMT41GU6MFR8C-PB	8GB	DDR3	B	SK hynix	H5TQ4G83MFR-PBC	4Gb	x8	1142	1600 CL11
Kingston	KVR1600D3N11/2G	2GB	DDR3	A	Elpida	EDJ2108BCSE-GN-F	2Gb	x8	1124	1600 CL11
Kingston	KVR1600D3N11/4G	4GB	DDR3	B	Elpida	EDJ2108BCSE-GN-F	2Gb	x8	1124	1600 CL11
Micron	MT16JTF51264AZ-1G6M1	4GB	DDR3	B	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	1600 CL11
Micron	MT8JTF25664AZ-1G6M1	2GB	DDR3	A	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	1600 CL11
Micron	MT4JTF25664AZ-1G6E1	2GB	DDR3	C	Micron	MT41K256M16HA-125:E	4Gb	x16	1220	1600 CL11
Micron	MT8JTF51264AZ-1G6E1	4GB	DDR3	A	Micron	MT41K512M8RH-125:E	4Gb	x8	1216	1600 CL11
Micron	MT16JTF1G64AZ-1G6E1	8GB	DDR3	B	Micron	MT41K512M8RH-125:E	4Gb	x8	1216	1600 CL11
Nanya	NT2GC64B88G0NF-DI	2GB	DDR3	A	Nanya	NT5CC256M8GN-DI	2Gb	x8	1150	1600 CL11
Nanya	NT4GC64B8HG0NF-DI	4GB	DDR3	B	Nanya	NT5CC256M8GN-DI	2Gb	x8	1150	1600 CL11
Samsung	M378B1G73BH0-CK0	8GB	DDR3	B	Samsung	K4B4G0846B-HCK0	4Gb	x8	1116	1600 CL11
Samsung	M378B5273CH0-CK0	4GB	DDR3	B	Samsung	K4B2G0846C-HCK0	2Gb	x8	1112	1600 CL11
Samsung	M378B5273DH0-CK0	4GB	DDR3	B	Samsung	K4B2G0846D-HCK0	2Gb	x8	1036	1600 CL11

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Samsung	M378B5673GB0-CK0	2GB	DDR3	B	Samsung	K4B1G0846G-BCK0	1Gb	x8	1122	1600 CL11
Samsung	M378B5773DH0-CK0	2GB	DDR3	A	Samsung	K4B2G0846D-HCK0	2Gb	x8	1036	1600 CL11
Samsung	M378B5773EB0-CK0	2GB	DDR3	A	Samsung	K4B2G0846E-BCK0	2Gb	x8	1146	1600 CL11
Samsung	M378B5273EB0-CK0	4GB	DDR3	B	Samsung	K4B2G0846E-BCK0	2Gb	x8	1146	1600 CL11
Samsung	M378B2873GB0-CK0	1GB	DDR3	A	Samsung	K4B1G0846G-BCK0	1Gb	x8	1146	1600 CL11
Samsung	M378B5173CB0-CK0	4GB	DDR3	A	Samsung	K4B4G0846C-BCK0	4Gb	x8	1210	1600 CL11

Updated on September 18, 2012

Approved test labs

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

Advanced Validation Labs

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Fountain Valley, CA 92708

USA   Phone: 714-438-2787

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