

Intel Platform Memory Operations

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DDR3 1600 Non-ECC UDIMM Validation Results 2DIMM/ch, 2 Slot per ch, 2 channels

Listed below are the results from a small sample of DDR3/L 1600 Non-ECC UDIMM modules tested on Intel reference desktop platforms based on 4th Gen Intel® Core™ i7 Processors (codename Haswell) and Intel® 7 Series Express Chipset. These DIMMs tested at 2DIMMs/channel, 2 channels loading configuration at 1.5V. 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, 2DIMM/ch, 2 slot per ch, 2 channels, Vdd = 1.5V

DIMM Supplier	DIMM Part Number	DIMM Raw Size	Native Card	Native Voltage	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM Date Code
Adata	AD3U1600W8G11-BMIE	8GB	B	DDR3	Micron	MT41K512M8RH-125	4Gb	x8	1242
Elpida	EBJ81UG8EFW0-GN-F	8GB	B	DDR3L	Elpida	EDJ4208EFBG-GN-F	4Gb	x8	1228
Elpida	EBJ40UG8EFW0-GN-F	4GB	A	DDR3L	Elpida	EDJ4208EFBG-GN-F	4Gb	x8	1229
Crucial	CT102464BD160B.16FED	8GB	B	DDR3L	Micron	MT41K512M8RH-125	4Gb	x8	1248
Crucial	CT102464BA160B.16FED	8GB	B	DDR3	Micron	MT41K512M8RH-125	4Gb	x8	1248
Crucial	CT25664BA160BJ.4FED	2GB	C	DDR3	Micron	MT41K256M16HA-125	4Gb	X16	1246

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DIMM Supplier	DIMM Part Number	DIMM Size	Raw Card	Native Voltage	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM Date Code
Crucial	CT51264BD160B.16FKD	4GB	B	DDR3L	Micron	MT41K256M8DA-125	2Gb	x8	1246
Crucial	CT51264BD160B.16FMD	4GB	B	DDR3L	Micron	MT41K256M8DA-125	2Gb	x8	1136
Crucial	CT25664BD160B.8FKD	2GB	A	DDR3L	Micron	MT41K256M8DA-125	2Gb	x8	1208
Crucial	CT25664BD160B.8FMD	2GB	A	DDR3L	Micron	MT41K256M8DA-125	2Gb	x8	1151
Kingston	KVR16LN11/8	8GB	B	DDR3L	SK hynix	H5TC4G83AFR-PBA	4Gb	x8	1246
Kingston	KVR16LN11S8/4	4GB	A	DDR3L	SK hynix	H5TC4G83AFR-PBA	4Gb	x8	1246
Micron	MT16KTF1G64AZ-1G6N1	8GB	B	DDR3L	Micron	MT41K512M8RG-107:N	4Gb	X8	1408
Micron	MT16KTF1G64AZ-1G6E1	8GB	B	DDR3L	Micron	MT41K512M8RH-125	4Gb	X8	1248
Micron	MT16JTF1G64AZ-1G6E1	8GB	B	DDR3	Micron	MT41K512M8RH-125	4Gb	X8	1248
Micron	MT4JTF25664AZ-1G6E1	2GB	C	DDR3	Micron	MT41K256M16HA-125	4Gb	X16	1246
Micron	MT16KTF51264AZ-1G6K1	4GB	B	DDR3L	Micron	MT41K256M8DA-125	2Gb	x8	1246
Micron	MT16KTF51264AZ-1G6M1	4GB	B	DDR3L	Micron	MT41K256M8DA-125	2Gb	x8	1136
Micron	MT8KTF25664AZ-1G6K1	2GB	A	DDR3L	Micron	MT41K256M8DA-125	2Gb	x8	1208

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DIMM Supplier	DIMM Part Number	DIMM Size	Raw Card	Native Voltage	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM Date Code
Micron	MT8KTF25664AZ-1G6M1	2GB	A	DDR3L	Micron	MT41K256M8DA-125	2Gb	x8	1151
Micron	MT16JTF51264AZ-1G6M1	4GB	B	DDR3	Micron	MT41K256M8DA-125	2Gb	x8	1302
Micron	MT8JTF25664AZ-1G6M1	2GB	A	DDR3	Micron	MT41K256M8DA-125	2Gb	x8	1308
Micron	MT4KTF25664AZ-1G6E1	2GB	C	DDR3L	Micron	MT41K256M16HA-125	4Gb	X16	1304
Micron	MT8KTF51264AZ-1G6N1	4GB	A	DDR3L	Micron	MT41K512M8RG-107:N	4Gb	x8	1408
Micron	MT8JTF51264AZ-1G6E1	4GB	A	DDR3	Micron	MT41K512M8RH-125	4Gb	x8	1248
Micron	MT8KTF51264AZ-1G6E1	4GB	A	DDR3L	Micron	MT41K512M8RH-125	4Gb	x8	1248
Micron	MT16JTF51264AZ-1G6K1	4GB	B	DDR3	Micron	MT41K256M8DA-125	2Gb	x8	1246
Micron	MT8JTF25664AZ-1G6K1	2GB	A	DDR3	Micron	MT41K256M8DA-125	4Gb	x8	1306
Ramaxel	RMR5040EB68FAW-1600	8GB	B	DDR3L	Elpida	EDJ4208EBBG-GN-F	4Gb	x8	1242
Ramaxel	RMR5030EB68F9W-1600	4GB	A	DDR3L	Elpida	EDJ4208EBBG-GN-F	4Gb	x8	1242
Samsung	M378B1G73CB0-CK0	8GB	B	DDR3	Samsung	K4B4G0846C-BCK0	4Gb	X8	1234
Samsung	M378B1G73BH0-CK0	8GB	B	DDR3	Samsung	K4B4G0846B-HCK0	4Gb	X8	1246

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DIMM Supplier	DIMM Part Number	DIMM Size	Raw Card	Native Voltage	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM Date Code
Samsung	M378B1G73DB0-CK0	8GB	B	DDR3	Samsung	K4B4G0846D-BCK0	4Gb	X8	1316
Samsung	M378B1G73QH0-CK0	8GB	B	DDR3	Samsung	K4B4G0846Q-HCK0	4Gb	X8	1349
Samsung	M378B1G73EB0-CK0	8GB	B	DDR3	Samsung	K4B4G0846E-BCK0	4Gb	X8	1416
Samsung	M378B5173CB0-CK0	4GB	A	DDR3	Samsung	K4B4G0846C-BCK0	4Gb	X8	1234
Samsung	M378B5173BH0-CK0	4GB	A	DDR3	Samsung	K4B4G0846B-HCK0	4Gb	X8	1312
Samsung	M378B5173DB0-CK0	4GB	A	DDR3	Samsung	K4B4G0846D-BCK0	4Gb	X8	1313
Samsung	M378B5173QH0-CK0	4GB	A	DDR3	Samsung	K4B4G0846Q-HCK0	4Gb	X8	1346
Samsung	M378B5173EB0-CK0	4GB	A	DDR3	Samsung	K4B4G0846E-BCK0	4Gb	X8	1416
Samsung	M378B5273DH0-CK0	4GB	B	DDR3	Samsung	K4B2G0846D-HCK0	2Gb	X8	1246
Samsung	M378B5773DH0-CK0	2GB	A	DDR3	Samsung	K4B2G0846D-HCK0	2Gb	X8	1246
Samsung	M378B5773QB0-CK0	2GB	A	DDR3	Samsung	K4B2G0846Q-HCK0	2Gb	X8	1349
SK hynix	HMT41GU6BFR8C-PB	8GB	B	DDR3	SK hynix	H5TQ4G83BFR-PBC	4Gb	x8	1430
SK hynix	HMT41GU6AFR8C-PB	8GB	B	DDR3	SK hynix	H5TQ4G83AFR-PBC	4Gb	x8	1245

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DIMM Supplier	DIMM Part Number	DIMM Size	Raw Card	Native Voltage	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM Date Code
SK hynix	HMT451U6BFR8C-PB	4GB	A	DDR3	SK hynix	H5TQ4G83BFR-PBC	4Gb	x8	1430
SK hynix	HMT451U6AFR8C-PB	4GB	A	DDR3	SK hynix	H5TQ4G83AFR-PBC	4Gb	x8	1244
SK hynix	HMT425U6AFR6C-PB	2GB	C	DDR3	SK hynix	H5TQ4G63AFR-PBC	4Gb	x16	1246
SK hynix	HMT351U6EFR8C-PB	4GB	B	DDR3	SK hynix	H5TQ2G83EFR-H9C	2Gb	x8	1301
SK hynix	HMT325U6EFR8C-PB	2GB	A	DDR3	SK hynix	H5TQ2G83EFR-PBC	2Gb	x8	1301

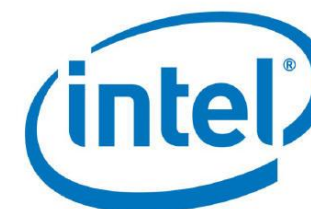
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Approved test labs

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

Advanced Validation Labs

Attn: Rhonda Duda, Program Manager
 17665B Newhope Street
 Fountain Valley, CA 92708
 USA Phone: 714-438-2787
rduda@validationlabs.com



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