

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 1600 Non-ECC UDIMM modules tested on Intel reference desktop platforms based on 3rd Gen Intel® Core™ i7 Processors (codename Ivy Bridge) 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	DRAM Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM Date Code	Tested at
Crucial	CT102464BD160B.16FED	8GB	B	Micron	MT41K512M8RH-125:E	4Gb	x8	1215	1600 CL11
Crucial	CT102464BA160B.16FED	8GB	B	Micron	MT41K256M16HA-125:E	4Gb	x8	1215	1600 CL11
Crucial	CT51264BD160B.8FED	4GB	A	Micron	MT41K256M16HA-125:E	4Gb	x8	1215	1600 CL11
Crucial	CT51264BA160B.8FED	4GB	A	Micron	MT41K512M8RH-125:E	4Gb	x8	1215	1600 CL11
Crucial	CT25664BD160B.4FED	2GB	C	Micron	MT41K512M8RH-125:E	4Gb	x8	1215	1600 CL11
Crucial	CT25664BA160B.4FED	2GB	C	Micron	MT41K512M8RH-125:E	4Gb	x8	1215	1600 CL11

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DIMM Supplier	DIMM Part Number	DIMM Raw Size	DRAM Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM Date Code	Tested at
Crucial	CT51264BA160B.16FMD	4GB	B	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	1600 CL11
Crucial	CT25664BA160B.8FMD	2GB	A	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	1600 CL11
Crucial	CT51264BD160B.16FMD	4GB	B	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	1600 CL11
Crucial	CT25664BD160B.8FMD	2GB	A	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	1600 CL11
Elpida	EBJ20UF8BCF0-GN-F	2GB	A	Elpida	EDJ2108BCSE-GN-F	2Gb	x8	1053	1600 CL11
Elpida	EBJ41UF8BCF0-GN-F	4GB	B	Elpida	EDJ2108BCSE-GN-F	2Gb	x8	1053	1600 CL11
SK hynix	HMT325U6CFR8C-PB	2GB	A	SK hynix	H5TQ2G83CFR-PBC	2Gb	x8	1133	1600 CL11
SK hynix	HMT325U6EFR8C-PB	2GB	A	SK hynix	H5TQ2G83EFR-H9C	2Gb	x8	1218	1600 CL11
SK hynix	HMT351U6CFR8C-PB	4GB	B	SK hynix	H5TQ2G83CFR-PBC	2Gb	x8	1133	1600 CL11
SK hynix	HMT351U6EFR8C-PB	4GB	B	SK hynix	H5TQ2G83EFR-H9C	2Gb	x8	1218	1600 CL11
SK hynix	HMT41GU6MFR8C-PB	8GB	B	SK hynix	H5TQ4G83MFR-PBC	4Gb	x8	1142	1600 CL11
SK hynix	HMT41GU6AFR8C-PB	8GB	B	SK hynix	H5TQ4G83AFR-PBC	4Gb	x8	1242	1600 CL11
Kingston	KVR1600D3N11/2G	2GB	A	Elpida	EDJ2108BCSE-GN-F	2Gb	x8	1124	1600 CL11

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DIMM Supplier	DIMM Part Number	DIMM Raw Size	DRAM Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM Date Code	Tested at
Kingston	KVR1600D3N11/4G	4GB	B	Elpida	EDJ2108BCSE-GN-F	2Gb	x8	1124	1600 CL11
Micron	MT16KTF1G64AZ-1G6E1	8GB	B	Micron	MT41K512M8RH-125:E	4Gb	x8	1215	1600 CL11
Micron	MT16JTF1G64AZ-1G6E1	8GB	B	Micron	MT41K256M16HA-125:E	4Gb	x8	1215	1600 CL11
Micron	MT8KTF51264AZ-1G6E1	4GB	A	Micron	MT41K256M16HA-125:E	4Gb	x8	1215	1600 CL11
Micron	MT8JTF51264AZ-1G6E1	4GB	A	Micron	MT41K512M8RH-125:E	4Gb	x8	1215	1600 CL11
Micron	MT4KTF25664AZ-1G6E1	2GB	C	Micron	MT41K512M8RH-125:E	4Gb	x16	1215	1600 CL11
Micron	MT4JTF25664AZ-1G6E1	2GB	C	Micron	MT41K512M8RH-125:E	4Gb	x16	1215	1600 CL11
Micron	MT16KTF51264AZ-1G6K1	4GB	B	Micron	MT41K256M8DA-125:K	2Gb	x8	1215	1600 CL11
Micron	MT8KTF25664AZ-1G6K1	2GB	A	Micron	MT41K256M8DA-125:K	2Gb	x8	1215	1600 CL11
Micron	MT16JTF51264AZ-1G6K1	4GB	B	Micron	MT41K256M8DA-125:K	2Gb	x8	1215	1600 CL11
Micron	MT8JTF25664AZ-1G6K1	2GB	A	Micron	MT41K256M8DA-125:K	2Gb	x8	1215	1600 CL11
Micron	MT16JTF51264AZ-1G6M1	4GB	B	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	1600 CL11
Micron	MT8JTF25664AZ-1G6M1	2GB	A	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	1600 CL11

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DIMM Supplier	DIMM Part Number	DIMM Raw Size	DRAM Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM Date Code	Tested at
Micron	MT16KTF51264AZ-1G6M1	4GB	B	Micron	MT41K256M8DA-125	2Gb	x8	1129	1600 CL11
Micron	MT8KTF25664AZ-1G6M1	2GB	A	Micron	MT41K256M8DA-125	2Gb	x8	1129	1600 CL11
Micron	MT4JTF12864AZ-1G6D1	1GB	C	Micron	MT41J128M16HA-125	2Gb	x16	1118	1600 CL11
Nanya	NT8GC64B8HB1NF-DI	8GB	B	Nanya	NT5CB512M8BN-DI	4Gb	x8	1229	1600 CL11
Nanya	NT4GC64B88B0NF-DI	4GB	A	Nanya	NT5CB512M8BN-DI	4Gb	x8	1213	1600 CL11
Nanya	NT4GC64B8HG0NF-DI	4GB	B	Nanya	NT5CC256M8GN-DI	2Gb	x8	1153	1600 CL11
Nanya	NT2GC64B88G0NF-DI	2GB	A	Nanya	NT5CC256M8GN-DI	2Gb	x8	1153	1600 CL11
Samsung	M378B2873GB0-CK0	1GB	A	Samsung	K4B1G0846G-BCK0	1Gb	x8	1146	1600 CL11
Samsung	M378B5673GB0-CK0	2GB	B	Samsung	K4B1G0846G-BCK0	1Gb	x8	1122	1600 CL11
Samsung	M378B5773DH0-CK0	2GB	A	Samsung	K4B2G0846D-HCK0	2Gb	x8	1036	1600 CL11
Samsung	M378B5273DH0-CK0	4GB	B	Samsung	K4B2G0846D-HCK0	2Gb	x8	1036	1600 CL11
Samsung	M378B1G73BH0-CK0	8GB	B	Samsung	K4B4G0846B-HCK0	4Gb	x8	1116	1600 CL11
Samsung	M378B5773EB0-CK0	2GB	A	Samsung	K4B2G0846E-BCK0	2Gb	x8	1146	1600 CL11
Samsung	M378B5273EB0-CK0	4GB	B	Samsung	K4B2G0846E-BCK0	2Gb	x8	1146	1600 CL11

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DIMM Supplier	DIMM Part Number	DIMM Raw Size	DRAM Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM Date Code	Tested at
Samsung	M378B5173CB0-YK0	4GB	A	Samsung	K4B4G0846C-BYK0	4Gb	X16	1210	1600 CL11

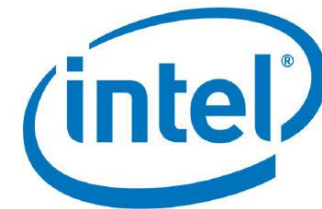
Created on January 10, 2013

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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