

Intel Platform Memory Operations

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Intel Platform Memory Operations

DDR3L 1600 Non-ECC SoDIMM Validation Results

Listed below are the results from a small sample of DDR3L 1600 Non-ECC SoDIMM modules tested on Intel reference mobile platforms based on Intel® 7 series chipset using 4th Gen Intel® Core™ i7 processors (codename Haswell). 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.

DDR3L-1600 (11-11-11) Non-ECC SoDIMM, 1DIMM/ch, 2 channels, tested at 1.35V Vdd

DIMM Supplier	DIMM Part Number	DIMM Size	Raw Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM M Width	DRAM DateCode
A-Data	ADDS1600W8G11-BMIE	8GB	F	Micron	MT41K512M8RH-125:E	4Gb	x8	1242
Crucial	CT102464BT160B.16FED	8GB	F	Micron	MT41K512M8RH-125 M:E	4Gb	x8	1244
Crucial	CT102464BF160B.16FED	8GB	F	Micron	MT41K512M8RH-125:E	4Gb	x8	1242
Crucial	CT51264BT160BJ.8FED	4GB	B	Micron	MT41K512M8RH-125 M:E	4Gb	x8	1242
Crucial	CT51264BF160BJ.8FED	4GB	B	Micron	MT41K512M8RH-125:E	4Gb	x8	1242
Crucial	CT51264BF160B.16FKD	4GB	F	Micron	MT41K256M8DA-125:K	2Gb	x8	1252
Crucial	CT51264BF160B.16FMD	4GB	F	Micron	MT41K256M8DA-125:M	2Gb	x8	1252

Intel Platform Memory Operations

DIMM Supplier	DIMM Part Number	DIMM Size	Raw Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM DateCode
Crucial	CT25664BF160B.8FKD	2GB	B	Micron	MT41K256M8DA-125:K	2Gb	x8	1248
Crucial	CT25664BF160B.8FMD	2GB	B	Micron	MT41K256M8DA-125:M	2Gb	x8	1250
Elpida	Ebj81UG8EFU0-GN-F	8GB	F	Elpida	EDJ4208EFBG-GN-F	4Gb	x8	1229
Elpida	Ebj40UG8EFU0-GN-F	4GB	B	Elpida	EDJ4208EFBG-GN-F	4Gb	x8	1229
SK hynix	HMT41GS6BFR8A-PB	8GB	F	SK hynix	H5TC4G83BFR-PBA	4Gb	x8	1430
SK hynix	HMT41GS6AFR8A-PB	8GB	F	SK hynix	H5TC4G83AFR-PBA	4Gb	x8	1244
SK hynix	HMT451S6BFR8A-PB	4GB	B	SK hynix	H5TC4G83BFR-PBA	4Gb	x8	1430
SK hynix	HMT451S6AFR8A-PB	4GB	B	SK hynix	H5TC4G83AFR-PBA	4Gb	x8	1244
SK hynix	HMT351S6EFR8A-PB	4GB	F	SK hynix	H5TC2G83EFR-PBA	2Gb	x8	1301
SK hynix	HMT325S6EFR8A-PB	2GB	B	SK hynix	H5TC2G83EFR-PBA	2Gb	x8	1301
Kingston	KVR16LS11/8	8GB	F	SK hynix	H5TC4G83AFR-PBA	4Gb	x8	1246
Kingston	KVR16LS11S8/4	4GB	B	SK hynix	H5TC4G83AFR-PBA	4Gb	x8	1246
Micron	MT16KTF1G64HZ-1G6N1	8GB	F	Micron	MT41K512M8RG-107:N	4Gb	x8	1408
Micron	MT16MTF1G64HZ-1G6E1	8GB	F	Micron	MT41K512M8RH-125 M:E	4Gb	x8	1244

Intel Platform Memory Operations

DIMM Supplier	DIMM Part Number	DIMM Size	Raw Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM DateCode
Micron	MT16KTF1G64HZ-1G6E1	8GB	F	Micron	MT41K512M8RH-125:E	4Gb	x8	1242
Micron	MT8KTF51264HZ-1G6N1	4GB	B	Micron	MT41K512M8RG-107:N	4Gb	x8	1408
Micron	MT8MTF51264HZ-1G6E1	4GB	B	Micron	MT41K512M8RH-125 M:E	4Gb	x8	1242
Micron	MT8KTF51264HZ-1G6E1	4GB	B	Micron	MT41K512M8RH-125:E	4Gb	x8	1242
Micron	MT16KTF51264HZ-1G6K1	4GB	F	Micron	MT41K256M8DA-125:K	2Gb	x8	1252
Micron	MT16KTF51264HZ-1G6M1	4GB	F	Micron	MT41K256M8DA-125:M	2Gb	x8	1252
Micron	MT8KTF25664HZ-1G6K1	2GB	B	Micron	MT41K256M8DA-125:K	2Gb	x8	1248
Micron	MT8KTF25664HZ-1G6M1	2GB	B	Micron	MT41K256M8DA-125:M	2Gb	x8	1250
Ramaxel	RMT3160EB68FAW-1600	8GB	F	Elpida	EDJ4208EBBG-GN-F	4Gb	x8	1242
Ramaxel	RMT3170EB68F9W-1600	4GB	B	Elpida	EDJ4208EBBG-GN-F	4Gb	x8	1223
Ramaxel	RMT3170ED58F8W-1600	2GB	B	Elpida	EDJ2108EDBG-GN-F	2Gb	x8	1252
Samsung	M471B1G73CB0-YK0	8GB	F	Samsung	K4B4G0846C-BYK0	4Gb	x8	1234
Samsung	M471B1G73BH0-YK0	8GB	F	Samsung	K4B4G0846B-HYK0	4Gb	x8	1128
Samsung	M471B1G73DB0-YK0	8GB	F	Samsung	K4B4G0846D-BYK0	4Gb	x8	1313

Intel Platform Memory Operations

DIMM Supplier	DIMM Part Number	DIMM Size	Raw Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	DRAM DateCode
Samsung	M471B1G73QH0-YK0	8GB	F	Samsung	K4B4G0846Q-HYK0	4Gb	x8	1349
Samsung	M471B1G73EB0-YK0	8GB	F	Samsung	K4B4G0846E-BYK0	4Gb	x8	1406
Samsung	M471B5273DH0-YK0	4GB	F	Samsung	K4B2G0846D-HYK0	2Gb	x8	1107
Samsung	M471B5173CB0-YK0	4GB	B	Samsung	K4B4G0846C-BYK0	4Gb	x8	1234
Samsung	M471B5173BH0-YK0	4GB	B	Samsung	K4B4G0846B-HYK0	4Gb	x8	1246
Samsung	M471B5173DB0-YK0	4GB	B	Samsung	K4B4G0846D-BYK0	4Gb	x8	1316
Samsung	M471B5173QH0-YK0	4GB	B	Samsung	K4B4G0846Q-HYK0	4Gb	x8	1349
Samsung	M471B5173EB0-YK0	4GB	B	Samsung	K4B4G0846E-BYK0	4Gb	x8	1404
Samsung	M471B5773EB0-YK0	2GB	B	Samsung	K4B2G0846E-BYK0	2Gb	x8	1246

Created on Sep 4th, 2014

Approved test labs

The following test labs have the capability of performing DDR3L SoDIMM system-level testing. For further information, please contact:

Advanced Validation Labs

Intel Platform Memory Operations

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