

Intel Platform Memory Operations

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Intel Platform Memory Operations

DDR3L 1600 SoDIMM Validation Results

Listed below are the results from a small sample of DDR3L 1600 SoDIMM modules tested on Intel reference mobile platforms based on Intel® 5th Gen Intel® Core™ processors (codename Broadwell). 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.

Updated / New Part										
DDR3L-1600 (11-11-11) SoDIMM, 1DIMM/ch, 2 channels, tested at 1.35V Vdd										
DIMM Supplier	DIMM Part Number	DIMM Size	Native Voltage	Raw Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	Die Revision	DRAM Date Code
Crucial	CT102464BF160B.16FND	8GB	DDR3L	F	Micron	MT41K512M8RG-107:N	4Gb	x8	N-die	1408
Crucial	CT51264BF160BJ.8FND	4GB	DDR3L	B	Micron	MT41K512M8RG-107:N	4Gb	x8	N-die	1408
Crucial	CT51264BF186DJ.8FND	4GB	DDR3L	B	Micron	MT41K512M8RG-107:N	4Gb	x8	N-die	1408
Crucial	CT102464BF186D.16FED	8GB	DDR3L	F	Micron	MT41K512M8RH-107:E	4Gb	x8	E-die	1344
Crucial	CT102464BF160B.16FED	8GB	DDR3L	F	Micron	MT41K512M8RH-125:E	4Gb	x8	E-die	1340
Crucial	CT51264BF186DJ.8FED	4GB	DDR3L	B	Micron	MT41K512M8RH-107:E	4Gb	x8	E-die	1342
Crucial	CT51264BF160BJ.8FED	4GB	DDR3L	B	Micron	MT41K512M8RH-125:E	4Gb	x8	E-die	1340
Crucial	CT25664BF160BJ.4FED	2GB	DDR3L	C	Micron	MT41K256M16HA-125:E	4Gb	x16	E-die	1338
Kingston	KVR16LS11/8	8GB	DDR3L	F	SK hynix	H5TC4G83BFR-PBA	4Gb	x8	B-die	1430
Kingston	KVR16LS11/4	4GB	DDR3L	B	SK hynix	H5TC4G83BFR-PBA	4Gb	x8	B-die	1430
Micron	MT16KTF1G64HZ-1G6N1	8GB	DDR3L	F	Micron	MT41K512M8RG-107:N	4Gb	x8	N-die	1408

Intel Platform Memory Operations

DDR3L-1600 (11-11-11) SoDIMM, 1DIMM/ch, 2 channels, tested at 1.35V Vdd										
DIMM Supplier	DIMM Part Number	DIMM Size	Native Voltage	Raw Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	Die Revision	DRAM Date Code
Micron	MT8KTF51264HZ-1G6N1	4GB	DDR3L	B	Micron	MT41K512M8RG-107:N	4Gb	x8	N-die	1408
Micron	MT8KTF51264HZ-1G9N1	4GB	DDR3L	B	Micron	MT41K512M8RG-107:N	4Gb	x8	N-die	1408
Micron	MT16KTF1G64HZ-1G9E1	8GB	DDR3L	F	Micron	MT41K512M8RH-107:E	4Gb	x8	E-die	1344
Micron	MT16KTF1G64HZ-1G6E1	8GB	DDR3L	F	Micron	MT41K512M8RH-125:E	4Gb	x8	E-die	1340
Micron	MT8KTF51264HZ-1G9E5	4GB	DDR3L	B	Micron	MT41K512M8RH-107:E	4Gb	x8	E-die	1342
Micron	MT8KTF51264HZ-1G6E1	4GB	DDR3L	B	Micron	MT41K512M8RH-125:E	4Gb	x8	E-die	1340
Micron	MT4KTF25664HZ-1G6E1	2GB	DDR3L	C	Micron	MT41K256M16HA-125:E	4Gb	x16	E-die	1338
Ramaxel	RMT3160ME68FAF-1600	8GB	DDR3L	F	Micron	MT41K512M8RH-125:E	4Gb	x8	E-die	1334
Ramaxel	RMT3170MN68F9F-1600	4GB	DDR3L	B	Micron	MT41K512M8RG-107:N	4Gb	x8	N-die	1416
Samsung	M471B1G73EB0-YK0	8GB	DDR3L	F	Samsung	K4B4G0846E-BYK0	4Gb	x8	E-die	1406
Samsung	M471B5173EB0-YK0	4GB	DDR3L	B	Samsung	K4B4G0846E-BYK0	4Gb	x8	E-die	1404
Samsung	M471B1G73DB0-YK0	8GB	DDR3L	F	Samsung	K4B4G0846D-BYK0	4Gb	x8	D-die	1313
Samsung	M471B5173DB0-YK0	4GB	DDR3L	B	Samsung	K4B4G0846D-BYK0	4Gb	x8	D-die	1348
Samsung	M471B1G73QH0-YK0	8GB	DDR3L	F	Samsung	K4B4G0846Q-HYK0	4Gb	x8	Q-die	1349

Intel Platform Memory Operations

DDR3L-1600 (11-11-11) SoDIMM, 1DIMM/ch, 2 channels, tested at 1.35V Vdd										
DIMM Supplier	DIMM Part Number	DIMM Size	Native Voltage	Raw Card	DRAM Supplier	DRAM Part Number	DRAM Density	DRAM Width	Die Revision	DRAM Date Code
Samsung	M471B5173QH0-YK0	4GB	DDR3L	B	Samsung	K4B4G0846Q-HYK0	4Gb	x8	Q-die	1349
Samsung	M471B5674QH0-YK0	2GB	DDR3L	C	Samsung	K4B4G1646Q-HYK0	4Gb	x16	Q-die	1349
SK hynix	HMT41GS6BFR8A-PB	8GB	DDR3L	F	SK hynix	H5TC4G83BFR-PBA	4Gb	x8	B-die	1432
SK hynix	HMT451S6BFR8A-PB	4GB	DDR3L	B	SK hynix	H5TC4G83BFR-PBA	4Gb	x8	B-die	1432

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Approved Test Labs:

The following test labs have the capability of performing LPDDR3 system-level testing. For further information please contact:

Advanced Validation Labs

Attn: Advanced Validation Labs
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