

Intel Platform Memory Operations

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DDR4 2400 Memory Down Validation Results

Listed below are the results from a small sample of DDR4 2400 DRAMs tested on Intel reference mobile platforms with 7th Gen Intel® Core™, Intel® Pentium®, Intel® Celeron® processor (codename Kaby Lake), in accordance to Intel platform memory POR (Plan of Record). We are providing this information as a guide to component 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.

DDR4 DRAM tested at 2400 (17-17-17) Memory Down

Supplier	Part Number	Packaged Density	Density Die	Package	Width	Die Revision	DRAM Date Code	Note
Micron	MT40A512M8RH-083E:B	4Gb	4Gb	SDP	x8	B	1603	
Micron	MT40A512M8RH-075E:B	4Gb	4Gb	SDP	x8	B	1648	
Micron	MT40A256M16GE-075E:B	4Gb	4Gb	SDP	x16	B	1623	
Micron	MT40A1G8WE-075E:D	8Gb	8Gb	SDP	x8	D	1620	
Micron	MT40A1G8WE-083E:B	8Gb	8Gb	SDP	x8	B	1608	1
Micron	MT40A1G8PM-083E:A	8Gb	8Gb	SDP	x8	A	1650	
Micron	MT40A1G8SA-062E:E	8Gb	8Gb	SDP	x8	E	1744	

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Micron	MT40A1G8SA-075:E	8Gb	8Gb	SDP	x8	E	1744	
Micron	MT40A512M16JY-083E:B	8Gb	8Gb	SDP	x16	B	1609	1
Micron	MT40A512M16JY-075E:B	8Gb	8Gb	SDP	x16	B	1614	
Micron	MT40A512M16LY-075:E	8Gb	8Gb	SDP	x16	E	1744	
Micron	MT40A512M16LY-062E:E	8Gb	8Gb	SDP	x16	E	1744	
Micron	MT40A1G16WBU-083E:B	16Gb	8Gb	DDP	x16	B	1630	1, 2
Micron	MT40A1G16HBA-083E:A	16Gb	8Gb	DDP	x16	A	1726	
Micron	MT40A1G16KNR-075:E	16Gb	8Gb	DDP	x16	E	1744	
Micron	MT40A1G16WBU-075E:B	16Gb	8Gb	DDP	x16	B	1640	2
Samsung	K4A4G085WE-BCRC	4Gb	4Gb	SDP	x8	E	1622	
Samsung	K4A4G165WE-BCRC	4Gb	4Gb	SDP	x16	E	1622	
Samsung	K4A8G085WB-BCRC	8Gb	8Gb	SDP	x8	B	1622	
Samsung	K4A8G165WB-BCRC	8Gb	8Gb	SDP	x16	B	1628	
Samsung	K4A8G085WC-BCRC	8Gb	8Gb	SDP	x8	C	1619	
Samsung	K4A8G165WC-BCRC	8Gb	8Gb	SDP	x16	C	1616	

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Samsung	K4AAG165WB-MCRC	16Gb	8Gb	DDP	x16	B	1601	
SK hynix	H5AN4G8NAFR-UHC	4Gb	4Gb	SDP	x8	A	1614	
SK hynix	H5AN4G6NAFR-UHC	4Gb	4Gb	SDP	x16	A	1545	
SK hynix	H5AN8G8NAFR-UHC	8Gb	8Gb	SDP	x8	A	1622	
SK hynix	H5AN8G6NAFR-UHC	8Gb	8Gb	SDP	x16	A	1622	

Note 1: MRC revision 1.0.4.1 or later is required.

Note 2: Exceeds max tADC Spec.

Created on January 24th, 2018

Approved test labs

The following test labs have the capability of performing DDR4 Non-ECC SoDIMM system-level testing. For further information, please contact:

Advanced Validation Labs

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