

Intel Platform Memory Operations

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LPDDR3 System Validation Results:

Listed below are the results from a small sample of LPDDR3 Low power DRAMs tested on Intel reference mobile platforms based on 5th Gen Intel® Core™ Processor based on Mobile U-Processor Line(codename Broadwell). Providing this information as a guide to component compatibility with Intel reference platforms. This testing is not intended to replace the normal OEM qualification process. For results on specific Intel® motherboards or OEM production motherboards, refer to the OEM's list of qualified memory suppliers.

DRAM LPDDR3 - Low Power 1600 (Memory Down)							
DRAM							
Supplier	Part Number	Package Density	Density Die	Package	Width	Die Revision	Date Code
Micron	EDFB232A1MA-GD-F	32Gb	8Gb	QDP	x32	A	1404
Samsung	K4E4E324ED-EGCE	4Gb	4Gb	SDP	x32	D	1331
Samsung	K4E8E304ED-EGCE	8Gb	4Gb	DDP	x32	D	1331
Samsung	K4E6E304ED-EGCE	16Gb	4Gb	QDP	x32	D	1334
Samsung	K4E4E324EE-EGCE	4Gb	4Gb	SDP	x32	E	1407
Samsung	K4E8E304EE-EGCE	8Gb	4Gb	DDP	x32	E	1407
Samsung	K4E6E304EE-EGCE	16Gb	4Gb	QDP	x32	E	1407
SK Hynix	H9CCNNN8GTMLAR-NTD	8Gb	8Gb	SDP	x32	M	1416
SK Hynix	H9CCNNNBJTMLAR-NTD	16Gb	8Gb	DDP	x32	M	1419
SK Hynix	H9CCNNNCLTMLAR-NTD	32Gb	8Gb	QDP	x32	M	1416

Updated / New Part

Intel Platform Memory Operations

							Updated / New Part
*DRAM LPDDR3 - Low Power 1866 (Memory Down)							
DRAM							
Supplier	Part Number	Package Density	Density Die	Package	Width	Die Revision	Date Code
Micron	EDF8132A3MA-JD-F	8Gb	4Gb	DDP	x32	C	1425
Micron	EDFA232A2MA-JD-F	16Gb	4Gb	QDP	x32	C	1429
Micron	EDFB232A1MA-JD-F	32Gb	8Gb	QDP	x32	A	1404
Samsung	K4E4E324EE-EGCF	4Gb	4Gb	SDP	x32	E	1440
Samsung	K4E8E304EE-EGCF	8Gb	4Gb	DDP	x32	E	1425
Samsung	K4E6E304EE-EGCF	16Gb	4Gb	QDP	x32	E	1419
Samsung	K4EBE304EB-EGCF	32Gb	8Gb	QDP	x32	B	1507
SK Hynix	H9CCNNN8GTMLAR-NUD	8Gb	8Gb	SDP	x32	M	1438
SK Hynix	H9CCNNNBJTMLAR-NUD	16Gb	8Gb	DDP	x32	M	1448
SK Hynix	H9CCNNNCLTMLAR-NUD	32Gb	8Gb	QDP	x32	M	1448

*LPDDR3-1866 is supported on Intel® HD graphics 6000 and Intel®Iris™ graphics 6100 skus but not on Intel® HD graphics 5500 skus.

Updated Apr 30,2015

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
 Rhonda Duda, Program Manager
 phone: 714-438-2787
 rduda@validationlabs.com

