Disclaimer

INTEL DISCLAIMS ALL LIABILITY FOR THESE DEVICES, INCLUDING LIABILITY FOR INFRINGEMENT OF ANY PROPRIETARY RIGHTS RELATING TO THESE DEVICES OR THE IMPLEMENTATION OF INFORMATION IN THIS DOCUMENT. INTEL DOES NOT WARRANT OR REPRESENT THAT SUCH DEVICES OR IMPLEMENTATION WILL NOT INFRINGE SUCH RIGHTS. INTEL IS NOT OBLIGATED TO PROVIDE ANY SUPPORT, INSTALLATION, OR OTHER ASSISTANCE WITH REGARD TO THESE DEVICES.

THE INTEL PRODUCT REFERRED TO IN THIS DOCUMENT IS INTENDED FOR STANDARD COMMERCIAL USE ONLY. CUSTOMERS ARE SOLELY RESPONSIBLE FOR ASSESSING THE SUITABILITY OF THE PRODUCT AND/OR DEVICES FOR USE IN PARTICULAR APPLICATIONS. THE REFERENCED INTEL PRODUCT IS NOT INTENDED FOR USE IN CRITICAL CONTROL OR SAFETY SYSTEMS OR IN NUCLEAR FACILITY APPLICATIONS.

Information in this document is provided in connection with Intel products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by the sale of Intel products. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, lifesaving, or life sustaining applications. Intel retains the right to make changes to its test specifications and memory list at any time, without notice.

The hardware vendor remains solely responsible for the design, sale and functionality of its product, including any liability arising from product infringement or product warranty. Only approved software drivers and accessories that are recommended for the revision number of the boards and system being operated should be used with Intel products. Please note that, as a result of warranty repairs or replacements, alternate software and firmware versions may require for proper operation of the equipment.

Copyright © Intel Corporation 2011.

* Other brands and names are the property of their respective owners.

RDIMM System-Level Validation Results on Future Intel® Xeon® Processor E5 Family

Listed below are the results from a small sample of DDR3 RDIMMs tested on future Intel® Xeon® processor E5 family. We are providing this information as a guide to module compatibility with Intel server reference platforms. This testing is not intended to replace the normal OEM 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

RDIMM SR/DR DDR3-1600 1.5V 2DIMM Per Channel / 3Slot Per Channel / 4Channel

DIMM					DRAM					Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Revision	Note
Crucial	CT25672BB160BS.9FMD	2GB	11	A	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	IDT	A1	
Crucial	CT25672BB160BS.9FMD	2GB	11	A	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	Inphi	UV-GS02	
Crucial	CT25672BB160BS.9FMD	2GB	11	A	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	TI	V5.0	
Crucial	CT51272BB160BS.18FMD	4GB	11	C	Micron	MT41K512M4DA-125:M	2Gb	x4	1129	IDT	A1	
Crucial	CT51272BB160BS.18FMD	4GB	11	C	Micron	MT41K512M4DA-125:M	2Gb	x4	1129	Inphi	UV-GS02	
Crucial	CT51272BB160BS.18FMD	4GB	11	C	Micron	MT41K512M4DA-125:M	2Gb	x4	1130	TI	V5.0	
Crucial	CT102472BB160B.36FMD	8GB	11	E	Micron	MT41K512M4DA-125:M	2Gb	x4	1129	IDT	A1	
Crucial	CT102472BB160B.36FMD	8GB	11	E	Micron	MT41K512M4DA-125:M	2Gb	x4	1130	Inphi	UV-GS02	
Crucial	CT102472BB160B.36FMD	8GB	11	E	Micron	MT41K512M4DA-125:M	2Gb	x4	1130	TI	V5.0	
Elpida	EBJ40RF4BCFA-GN-F	4GB	11	C	Elpida	EDJ2104BCSE-GN-F	2Gb	x4	1053	IDT	A1	
Elpida	EBJ40RF4BCFA-GN-F	4GB	11	C	Elpida	EDJ2104BCSE-GN-F	2Gb	x4	1053	Inphi	UV-GS02	
Elpida	EBJ81RF4BCFA-GN-F	8GB	11	E	Elpida	EDJ2104BCSE-GN-F	2Gb	x4	1052	IDT	A1	
Elpida	EBJ81RF4BCFA-GN-F	8GB	11	E	Elpida	EDJ2104BCSE-GN-F	2Gb	x4	1053	Inphi	UV-GS02	
Hynix	HMT325R7CFR8C-PB	2GB	11	A	Hynix	H5TQ2G83CFR-PBC	2Gb	x8	1133	IDT	A1	
Hynix	HMT325R7CFR8C-PB	2GB	11	A	Hynix	H5TQ2G83CFR-PBC	2Gb	x8	1133	Inphi	UV-GS02	
Hynix	HMT325R7BFR8C-PB	2GB	11	A	Hynix	H5TQ2G83BFR-PBC	2Gb	x8	1119	IDT	A1	
Hynix	HMT325R7BFR8C-PB	2GB	11	A	Hynix	H5TQ2G83BFR-PBC	2Gb	x8	1122	Inphi	UV-GS02	
Hynix	HMT351R7CFR8C-PB	4GB	11	B	Hynix	H5TQ2G83CFR-PBC	2Gb	x8	1133	IDT	A1	
Hynix	HMT351R7CFR8C-PB	4GB	11	B	Hynix	H5TQ2G83CFR-PBC	2Gb	x8	1133	Inphi	UV-GS02	
Hynix	HMT351R7BFR8C-PB	4GB	11	B	Hynix	H5TQ2G83BFR-PBC	2Gb	x8	1119	IDT	A1	
Hynix	HMT351R7CFR4C-PB	4GB	11	C	Hynix	H5TQ2G43CFR-PBC	2Gb	x4	1133	IDT	A1	
Hynix	HMT351R7CFR4C-PB	4GB	11	C	Hynix	H5TQ2G43CFR-PBC	2Gb	x4	1133	Inphi	UV-GS02	

RDIMM SR/DR DDR3-1600 1.5V 2DIMM Per Channel / 3Slot Per Channel / 4Channel											
DIMM				**DRAM**					**Register**		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Revision	Note
Hynix	HMT351R7BFR4C-PB	4GB	11	C	Hynix	H5TQ2G43BFR-PBC	2Gb	x4	1122	IDT	A1	
Hynix	HMT31GR7CFR4C-PB	8GB	11	E	Hynix	H5TQ2G43CFR-PBC	2Gb	x4	1133	IDT	A1	
Hynix	HMT31GR7CFR4C-PB	8GB	11	E	Hynix	H5TQ2G43CFR-PBC	2Gb	x4	1133	Inphi	UV-GS02	
Hynix	HMT42GR7MFR4C-PB	16GB	11	E	Hynix	H5TQ4G43MFR-PBC	4Gb	x4	1139	IDT	A1	
Hynix	HMT42GR7MFR4C-PB	16GB	11	E	Hynix	H5TQ4G43MFR-PBC	4Gb	x4	1139	Inphi	UV-GS02	
Kingston	KVR1600D3E11S/4G	4GB	11	B	Elpida	EDJ2108BCSE-GN-F	2Gb	x8	1052	Inphi	UV-GS02	
Micron	MT9JSF25672PZ-1G6M1	2GB	11	A	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	IDT	A1	
Micron	MT9JSF25672PZ-1G6M1	2GB	11	A	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	Inphi	UV-GS02	
Micron	MT9JSF25672PZ-1G6M1	2GB	11	A	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	TI	V5.0	
Micron	MT18JSF51272PZ-1G6M1	4GB	11	C	Micron	MT41K512M4DA-125:M	2Gb	x4	1129	IDT	A1	
Micron	MT18JSF51272PZ-1G6M1	4GB	11	C	Micron	MT41K512M4DA-125:M	2Gb	x4	1129	Inphi	UV-GS02	
Micron	MT18JSF51272PZ-1G6M1	4GB	11	C	Micron	MT41K512M4DA-125:M	2Gb	x4	1130	TI	V5.0	
Micron	MT18JSF1G72PZ-1G6D1	8GB	11	C	Micron	MT41J1G4RA-125:D	4Gb	x4	1139	IDT	A1	
Micron	MT18JSF1G72PZ-1G6D1	8GB	11	C	Micron	MT41J1G4RA-125:D	4Gb	x4	1139	Inphi	UV-GS02	
Micron	MT36JSF1G72PZ-1G6M1	8GB	11	E	Micron	MT41K512M4DA-125:M	2Gb	x4	1129	IDT	A1	
Micron	MT36JSF1G72PZ-1G6M1	8GB	11	E	Micron	MT41K512M4DA-125:M	2Gb	x4	1130	Inphi	UV-GS02	
Micron	MT36JSF1G72PZ-1G6M1	8GB	11	E	Micron	MT41K512M4DA-125:M	2Gb	x4	1130	TI	V5.0	
Micron	MT36JSF2G72PZ-1G6DZ	16GB	11	J	Micron	MT41J1G4RA-125:D	4Gb	x4	1139	IDT	A1	
Micron	MT36JSF2G72PZ-1G6DZ	16GB	11	J	Micron	MT41J1G4RA-125:D	4Gb	x4	1139	Inphi	UV-GS02	
Samsung	M393B2873GB0-CK0	1GB	11	A	Samsung	K4B1G0846G-BCK0	1Gb	x8	1107	Inphi	UV-GS02	
Samsung	M393B5670GB0-CK0	2GB	11	C	Samsung	K4B1G0446G-BCK0	1Gb	x4	1107	IDT	A1	
Samsung	M393B5170GB0-CK0	4GB	11	E	Samsung	K4B1G0446G-BCK0	1Gb	x4	1107	Inphi	UV-GS02	
Samsung	M393B5773DH0-CK0	2GB	11	A	Samsung	K4B2G0846D-HCK0	2Gb	x8	1113	IDT	A1	
Samsung	M393B5273DH0-CK0	4GB	11	B	Samsung	K4B2G0846D-HCK0	2Gb	x8	1113	IDT	A1	
Samsung	M393B5270DH0-CK0	4GB	11	C	Samsung	K4B2G0446D-HCK0	2Gb	x4	1113	IDT	A1	
Samsung	M393B1K70DH0-CK0	8GB	11	E	Samsung	K4B2G0446D-HCK0	2Gb	x4	1113	Inphi	UV-GS02	
Samsung	M393B1G73BH0-CK0	8GB	11	B	Samsung	K4B4G0846B-HCK0	4Gb	x8	1113	IDT	A1	
Samsung	M393B1G73BH0-CK0	8GB	11	B	Samsung	K4B4G0846B-HCK0	4Gb	x8	1116	Inphi	UV-GS02	
Samsung	M393B1G70BH0-CK0	8GB	11	C	Samsung	K4B4G0446B-HCK0	4Gb	x4	1113	Inphi	UV-GS02	
Samsung	M393B2G70BH0-CK0	16GB	11	E	Samsung	K4B4G0446B-HCK0	4Gb	x4	1113	IDT	A1	

RDIMM SR/DR DDRL3-1333 1.35V 2DIMM Per Channel / 3Slot Per Channel / 4Channel											
DIMM					**DRAM**					**Register**	
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Revision	Note
Elpida	EBJ17RG4EAFA-DJ-F	16GB	9	E	Elpida	EDJ4204EASE-DJ-F	4Gb	x4	1104	IDT	A1	
Elpida	EBJ17RG4EAFA-DJ-F	16GB	9	E	Elpida	EDJ4204EASE-DJ-F	4Gb	x4	1104	Inphi	UV-GS02	
Hynix	HMT325R7CFR8A-H9	2GB	9	A	Hynix	H5TC2G83CFR-H9A	2Gb	x8	1124	Inphi	UV-GS02	
Hynix	HMT325R7CFR8C-H9	2GB	9	A	Hynix	H5TQ2G83CFR-H9C	2Gb	x8	1119	IDT	A1	
Hynix	HMT325R7CFR8C-H9	2GB	9	A	Hynix	H5TQ2G83CFR-H9C	2Gb	x8	1124	Inphi	UV-GS02	
Hynix	HMT325R7CFR8C-H9	2GB	9	A	Hynix	H5TQ2G83CFR-H9C	2Gb	x8	1132	TI	V5.0	
Hynix	HMT351R7CFR8A-H9	4GB	9	B	Hynix	H5TC2G83CFR-H9A	2Gb	x8	1122	IDT	A1	
Hynix	HMT351R7CFR8A-H9	4GB	9	B	Hynix	H5TC2G83CFR-H9A	2Gb	x8	1125	Inphi	UV-GS02	
Hynix	HMT351R7CFR8C-H9	4GB	9	B	Hynix	H5TQ2G83CFR-H9C	2Gb	x8	1124	Inphi	UV-GS02	
Hynix	HMT351R7CFR8C-H9	4GB	9	B	Hynix	H5TQ2G83CFR-H9C	2Gb	x8	1132	TI	V5.0	
Hynix	HMT351R7BFR4A-H9	4GB	9	C	Hynix	H5TC2G43BFR-H9A	2Gb	x4	1114	IDT	A1	
Hynix	HMT351R7BFR4A-H9	4GB	9	C	Hynix	H5TC2G43BFR-H9A	2Gb	x4	1114	Inphi	UV-GS02	
Hynix	HMT351R7CFR4A-H9	4GB	9	C	Hynix	H5TC2G43CFR-H9A	2Gb	x4	1132	IDT	A1	
Hynix	HMT31GR7BFR4A-H9	8GB	9	E	Hynix	H5TC2G43BFR-H9A	2Gb	x4	1113	IDT	A1	
Hynix	HMT31GR7BFR4A-H9	8GB	9	E	Hynix	H5TC2G43BFR-H9A	2Gb	x4	1113	Inphi	UV-GS02	
Hynix	HMT31GR7CFR4A-H9	8GB	9	E	Hynix	H5TC2G43CFR-H9A	2Gb	x4	1125	Inphi	UV-GS02	
Hynix	HMT31GR7CFR4C-H9	8GB	9	E	Hynix	H5TQ2G43CFR-H9C	2Gb	x4	1123	IDT	A1	
Hynix	HMT42GR7MFR4A-H9	16GB	9	E	Hynix	H5TC4G43MFR-H9A	4Gb	x4	1132	Inphi	UV-GS02	
Hynix	HMT42GR7MFR4A-H9	16GB	9	E	Hynix	H5TC4G43MFR-H9A	4Gb	x4	1132	IDT	A1	
Hynix	HMT42GR7MFR4C-H9	16GB	9	E	Hynix	H5TQ4G43MFR-H9C	4Gb	x4	1125	IDT	A1	
Samsung	M393B1G73BH0-YH9	8GB	9	B	Samsung	K4B4G0846B-HYH9	4Gb	x8	1113	Inphi	UV-GS02	
Samsung	M393B1G70BH0-YH9	8GB	9	C	Samsung	K4B4G0446B-HYH9	4Gb	x4	1110	IDT	A1	
Samsung	M393B2G70BH0-YH9	16GB	9	E	Samsung	K4B4G0446B-HYH9	4Gb	x4	1110	Inphi	UV-GS02	

RDIMM QR DDR3-1066 1.5V 1DIMM Per Channel / 3Slot Per Channel / 4Channel

DIMM					DRAM					Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Revision	Note
Crucial	CT102472BQ1067Q.36FMD	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	IDT	A1	
Crucial	CT102472BQ1067Q.36FMD	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	Inphi	UV-GS02	
Crucial	CT102472BQ1067Q.36FMD	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	TI	V5.0	
Hynix	HMT31GR7CFR8C-H9	8GB	9	H	Hynix	H5TQ2G83CFR-H9C	2Gb	x8	1133	IDT	A1	
Hynix	HMT31GR7CFR8C-H9	8GB	9	H	Hynix	H5TQ2G83CFR-H9C	2Gb	x8	1133	Inphi	UV-GS02	
Hynix	HMT42GR7BMR4C-G7	16GB	7	F	Hynix	H5TQ2G43BMR-G7C	2Gb	x4	1130	Inphi	UV-GS02	1
Micron	MT36KSF1G72PDZ-1G1M1	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	IDT	A1	
Micron	MT36KSF1G72PDZ-1G1M1	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	Inphi	UV-GS02	
Micron	MT36KSF1G72PDZ-1G1M1	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	TI	V5.0	
Samsung	M393B1K73DH0-CF8	8GB	7	H	Samsung	K4B2G0846D-HCF8	2Gb	x8	1116	Inphi	UV-GS02	
Samsung	M393B2K70DM0-CF8	16GB	7	AB	Samsung	K4B4G0446D-MCF8	2Gb	x4	1119	IDT	A1	1
Samsung	M393B2G73BH0-CF8	16GB	7	H	Samsung	K4B4G0846B-HCF8	4Gb	x8	1116	IDT	A1	
Samsung	M393B4G70BM0-CF8	32GB	7	AB	Samsung	K4B8G0446B-MCF8	4Gb	x4	1122	Inphi	UV-GS02	1

1 - DDP (Dual-Die Package)

RDIMM QR DDR3L-800 1.35V 2DIMM Per Channel / 3Slot Per Channel / 4Channel

DIMM					DRAM					Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Revision	Note
Crucial	CT102472BQ1067Q.36FMD	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	IDT	A1	
Crucial	CT102472BQ1067Q.36FMD	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	Inphi	UV-GS02	
Crucial	CT102472BQ1067Q.36FMD	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	TI	V5.0	
Micron	MT36KSF1G72PDZ-1G1M1	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	IDT	A1	
Micron	MT36KSF1G72PDZ-1G1M1	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	Inphi	UV-GS02	
Micron	MT36KSF1G72PDZ-1G1M1	8GB	7	H	Micron	MT41K256M8DA-125:M	2Gb	x8	1129	TI	V5.0	
Micron	MT36KSF2G72PDZ-1G1D1	16GB	7	H	Micron	MT41K512M8RA-15E:D	4Gb	x8	1139	Inphi	UV-GS02	
Micron	MT36KSF2G72PDZ-1G1D1	16GB	7	H	Micron	MT41K512M8RA-15E:D	4Gb	x8	1139	IDT	A1	
Hynix	HMT31GR7CFR8A-G7	8GB	7	H	Hynix	H5TC2G83CFR-G7A	2Gb	x8	1130	Inphi	UV-GS02	
Hynix	HMT31GR7CFR8A-G7	8GB	7	H	Hynix	H5TC2G83CFR-G7A	2Gb	x8	1130	IDT	A1	
Samsung	M393B1K73DH0-YF8	8GB	7	H	Samsung	K4B2G0846D-HYF8	2Gb	x8	1107	IDT	A1	

RDIMM QR DDR3L-800 1.35V 2DIMM Per Channel / 3Slot Per Channel / 4Channel											
DIMM				**DRAM**					**Register**		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Revision	Note
Samsung	M393B2K70DM0-YF8	16GB	7	AB	Samsung	K4B4G0446D-MYF8	2Gb	x4	1116	Inphi	UV-GS02	1
Samsung	M393B2G73BH0-YF8	16GB	7	H	Samsung	K4B4G0846B-HYF8	4Gb	x8	1122	Inphi	UV-GS02	
Samsung	M393B2G73BH0-YF8	16GB	7	H	Samsung	K4B4G0846B-HYF8	4Gb	x8	1122	IDT	A1	
Samsung	M393B2K70DM0-YF8	16GB	7	F	Samsung	K4B4G0446D-MYF8	2Gb	x4	1118	Inphi	UV-GS02	1
Samsung	M393B4G70BM0-YF8	32GB	7	AB	Samsung	K4B8G0446B-MYF8	4Gb	x4	1122	IDT	A1	1

1 - DDP (Dual-Die Package)

Updated on November 10, 2011

Approved Test Labs:

    The following test labs have the capability of performing the DDR3 RDIMM system-level testing. For further information please contact:

Platform Memory Operations Lab
Advanced Validation Labs
Rhonda Duda, Program Manager
phone: 714-438-2787
rduda@validationlabs.com

(intel)