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Intel Platform Memory Operations

DDR4 RDIMM System-Level Validation Results on Intel® Xeon® E5-2600 v4 Processor Family

Listed below are the results from a small sample of **DDR4 RDIMMs** tested on Intel® Xeon® E5-2600 v4 processor family, previously code-named Broadwell-EP. 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 Intel® motherboards or OEM specific production motherboards, please refer to the OEM's list of qualified memory suppliers. All parts used are recommended to be run, with latest Intel® platform Reference Code Production Version.

Updated Aug 15th, 2018

RDIMM SR/DR DDR4- 2400 MT/s 1.2V 1DIMM per channel; 3 slots per channel; 4 channels 2133 MT/s 1.2V 2DIMMs per channel; 3 slots per channel; 4 channels 1600 MT/s 1.2V 3DIMMs per channel; 3 slots per channel; 4 channels												
DIMM					DRAM					Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Rev	Note
Crucial	CT4G4RFS824A.9FA2	4GB	17	D	Micron	MT40A512M8HX-083E:A	4Gb	x8	1510	Montage	C0	
Crucial	CT4G4RFS824A.9FA2	4GB	17	D	Micron	MT40A512M8HX-083E:A	4Gb	x8	1510	IDT	C0	
Crucial	CT4G4RFS824A.9FB1	4GB	17	D1	Micron	MT40A512M8RH-075E:B	4Gb	x8	1618	IDT	C0	
Crucial	CT4G4RFS824A.9FB1	4GB	17	D1	Micron	MT40A512M8RH-083E:B	4Gb	x8	1618	Montage	A0	
Crucial	CT4G4RFS824A.9FB1	4GB	17	D1	Micron	MT40A512M8RH-083E:B	4Gb	x8	1618	Inphi	C0	
Crucial	CT8G4RFS424A.18FA3	8GB	17	C1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	Inphi	B0	
Crucial	CT8G4RFS424A.18FA3	8GB	17	C1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	IDT	C0	
Crucial	CT8G4RFS424A.18FA3	8GB	17	C1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	Montage	C0	
Crucial	CT8G4RFS424A.18FB1	8GB	17	C1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	Montage	A0	
Crucial	CT8G4RFS424A.18FB1	8GB	17	C1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	Inphi	C0	
Crucial	CT8G4RFS424A.18FB1	8GB	17	C1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	IDT	C0	
Crucial	CT8G4RFD824A.18FA2	8GB	17	E1	Micron	MT40A512M8HX-083E:A	4Gb	x8	1512	Montage	C0	
Crucial	CT8G4RFD824A.18FA2	8GB	17	E1	Micron	MT40A512M8HX-083E:A	4Gb	x8	1514	IDT	C0	
Crucial	CT8G4RFD824A.18FB1	8GB	17	E1	Micron	MT40A512M8RH-075E:B	4Gb	x8	1618	Montage	A0	
Crucial	CT8G4RFD824A.18FB1	8GB	17	E1	Micron	MT40A512M8RH-075E:B	4Gb	x8	1618	Inphi	C0	
Crucial	CT8G4RFD824A.18FB1	8GB	17	E1	Micron	MT40A512M8RH-083E:B	4Gb	x8	1618	IDT	C0	
Crucial	CT8G4RFS824A.9FA1	8GB	17	D1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1516	IDT	C0	
Crucial	CT8G4RFS824A.9FA1	8GB	17	D1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1516	Montage	C0	
Crucial	CT8G4RFS824A.9FB1	8GB	17	D1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	IDT	C0	
Crucial	CT8G4RFS824A.9FB1	8GB	17	D1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	Montage	C0	
Crucial	CT8G4RFS824A.9FB1	8GB	17	D1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	Inphi	C0	

Intel Platform Memory Operations

RDIMM SR/DR DDR4- 2400 MT/s 1.2V 1DIMM per channel; 3 slots per channel; 4 channels 2133 MT/s 1.2V 2DIMMs per channel; 3 slots per channel; 4 channels 1600 MT/s 1.2V 3DIMMs per channel; 3 slots per channel; 4 channels												
DIMM					DRAM					Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Rev	Note
Crucial	CT16G4RFD424A.36FA3	16GB	17	B1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	Inphi	B0	
Crucial	CT16G4RFD424A.36FA3	16GB	17	B1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1506	IDT	C0	
Crucial	CT16G4RFD424A.36FA3	16GB	17	B1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	Montage	C0	
Crucial	CT16G4RFD424A.36FB1	16GB	17	B1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	Montage	A0	
Crucial	CT16G4RFD424A.36FB1	16GB	17	B1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	Inphi	C0	
Crucial	CT8G4RFD824A.18FB1	8GB	17	E1	Micron	MT40A512M8RH-083E:B	4Gb	x8	1618	IDT	C0	
Crucial	CT8G4RFS824A.9FA1	8GB	17	D1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1516	IDT	C0	
Crucial	CT8G4RFS824A.9FA1	8GB	17	D1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1516	Montage	C0	
Crucial	CT8G4RFS824A.9FB1	8GB	17	D1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	IDT	C0	
Crucial	CT8G4RFS824A.9FB1	8GB	17	D1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	Montage	C0	
Crucial	CT8G4RFS824A.9FB1	8GB	17	D1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	Inphi	C0	
Crucial	CT16G4RFD424A.36FA3	16GB	17	B1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	Inphi	B0	
Crucial	CT16G4RFD424A.36FA3	16GB	17	B1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1506	IDT	C0	
Crucial	CT16G4RFD424A.36FA3	16GB	17	B1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	Montage	C0	
Crucial	CT16G4RFD424A.36FB1	16GB	17	B1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	Montage	A0	
Crucial	CT16G4RFD424A.36FB1	16GB	17	B1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	Inphi	C0	
Crucial	CT16G4RFD424A.36FB1	16GB	17	B1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	IDT	C0	
Crucial	CT16G4RFS424A.18FA1	16GB	17	C1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1512	Inphi	B0	
Crucial	CT16G4RFS424A.18FA1	16GB	17	C1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1512	IDT	C0	
Crucial	CT16G4RFS424A.18FA1	16GB	17	C1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1512	Montage	C0	
Crucial	CT16G4RFS424A.18FB1	16GB	17	C1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1544	IDT	C0	
Crucial	CT16G4RFS424A.18FB1	16GB	17	C1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1544	Montage	A0	
Crucial	CT16G4RFS424A.18FB1	16GB	17	C1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1544	Inphi	C0	
Crucial	CT16G4RFD824A.18FA1	16GB	17	E1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1512	IDT	C0	1
Crucial	CT16G4RFD824A.18FA1	16GB	17	E1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1512	Montage	C0	1
Crucial	CT16G4RFD824A.18FB1	16GB	17	E1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1524	Montage	C0	
Crucial	CT16G4RFD824A.18FB1	16GB	17	E1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1522	IDT	C0	
Crucial	CT16G4RFD824A.18FB1	16GB	17	E1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	Inphi	C0	
Crucial	CT16G4RFD824A.18FD1	16GB	17	E1	Micron	MT40A1G8WE-075E:D	8Gb	x8	1624	IDT	B1	

Note:

1. Part has been observed to sometimes exhibit marginally lower TxVREF than Intel RMT guideline, when run at 3DPC-1600. Not considered a functional failure risk.

3 RDIMM DDR4 Memory Validation Results

Intel Platform Memory Operations

RDIMM SR/DR DDR4- 2400 MT/s 1.2V 1DIMM per channel; 3 slots per channel; 4 channels 2133 MT/s 1.2V 2DIMMs per channel; 3 slots per channel; 4 channels 1600 MT/s 1.2V 3DIMMs per channel; 3 slots per channel; 4 channels												
DIMM					DRAM					Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Rev	Note
Crucial	CT16G4RFD824A.18FD1	16GB	17	E1	Micron	MT40A1G8WE-075E:D	8Gb	x8	1624	Inphi	C0	
Crucial	CT16G4RFD824A.18FD1	16GB	17	E1	Micron	MT40A1G8WE-075E:D	8Gb	x8	1624	Montage	A0	
Crucial	CT32G4RFD424A.36FA1	32GB	17	B1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1512	IDT	C0	
Crucial	CT32G4RFD424A.36FA1	32GB	17	B1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1512	Montage	C0	
Crucial	CT32G4RFD424A.36FB1	32GB	17	B1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1522	Montage	C0	
Crucial	CT32G4RFD424A.36FB1	32GB	17	B1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1522	IDT	C0	
Crucial	CT32G4RFD424A.36FB1	32GB	17	B1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1544	Inphi	C0	
Crucial	CT32G4RFD424A.36FD1	32GB	17	B2	Micron	MT40A2G4WE-075E:D	8Gb	x4	1616	IDT	B1	
Crucial	CT32G4RFD424A.36FD1	32GB	17	B2	Micron	MT40A2G4WE-075E:D	8Gb	x4	1616	Inphi	C0	
Crucial	CT32G4RFD424A.36FD1	32GB	17	B2	Micron	MT40A2G4WE-075E:D	8Gb	x4	1616	Montage	A0	
Kingston	KVR24R17S8/4	4GB	17	D0	Micron	MT40A512M8RH-083E:B	4Gb	x8	1550	Montage	C0	
Kingston	KVR24R17S8/8	8GB	17	D0	Micron	MT40A1G8PM-083E:A	8Gb	x8	1550	Montage	C0	
Kingston	KVR24R17S8/8	8GB	17	D0	SK hynix	H5AN8G8NMFR-UHC	8Gb	x8	1614	Montage	C0	
Kingston	KVR24R17S8/8	8GB	17	D0	SK Hynix	H5AN8G8NAFR-UHC	8Gb	x8	1636	IDT	C0	
Kingston	KVR24R17S8/8	8GB	17	D1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1624	IDT	C0	
Kingston	KVR24R17S4/8	8GB	17	C1	SK hynix	H5AN4G4NAFR-UHC	4Gb	x4	1524	IDT	C0	
Kingston	KVR24R17S4/8	8GB	17	C1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1550	Montage	C0	
Kingston	KVR24R17D8/8	8GB	17	E1	Micron	MT40A512M8RH-083E:B	4Gb	x8	1550	Inphi	B0	
Kingston	KVR24R17D8/8	8GB	17	E1	Micron	MT40A512M8RH-083E:B	4Gb	x8	1550	Montage	C0	
Kingston	KVR24R17D8/8	8GB	17	E1	SK Hynix	H5AN4G8NAFR-UHC	4Gb	x8	1615	IDT	C0	
Kingston	KVR24R17D8/16	16GB	17	E1	SK Hynix	H5AN8G8NAFR-UHC	8Gb	x8	1636	IDT	C0	
Kingston	KVR24R17D8/16	16GB	17	E1	SK Hynix	H5AN8G8NAFR-UHC	8Gb	x8	1636	Montage	C0	
Kingston	KVR24R17D8/16	16GB	17	E1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1550	Montage	C0	
Kingston	KVR24R17D4/16	16GB	17	A1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1550	Montage	C0	
Kingston	KVR24R17D4/16	16GB	17	B1	SK hynix	H5AN4G4NAFR-UHC	4Gb	x4	1524	Inphi	B0	
Kingston	KVR24R17S4/16	16GB	17	C1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1550	Montage	C0	
Kingston	KVR24R17S4/16	16GB	17	C1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1604	IDT	C0	
Kingston	KVR24R17S4/16	16GB	17	C2	Micron	MT40A2G4PM-083E:A	8Gb	x4	1624	IDT	C0	
Kingston	KVR24R17S4/16	16GB	17	C2	SK Hynix	H5AN8G4NAFR-UHC	8Gb	x4	1636	IDT	C0	
Kingston	KVR24R17D8/16	16GB	17	E1	SK hynix	H5AN8G8NMFR-UHC	8Gb	x8	1504	Montage	C0	
Kingston	KVR24R17D8/16	16GB	17	E1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1550	Inphi	B0	

4 RDIMM DDR4 Memory Validation Results

Intel Platform Memory Operations

RDIMM SR/DR DDR4- 2400 MT/s 1.2V 1DIMM per channel; 3 slots per channel; 4 channels 2133 MT/s 1.2V 2DIMMs per channel; 3 slots per channel; 4 channels 1600 MT/s 1.2V 3DIMMs per channel; 3 slots per channel; 4 channels												
DIMM					DRAM					Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Rev	Note
Kingston	KVR24R17D4/32	32GB	17	B1	SK hynix	H5AN8G4NMFR-UHC	8Gb	x4	1513	IDT	C0	
Kingston	KVR24R17D4/32	32GB	17	B1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1550	Montage	C0	
Kingston	KVR24R17D4/32	32GB	17	B1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1614	IDT	C0	
Kingston	KVR24R17D4/32	32GB	17	B1	SK Hynix	H5AN8G4NAFR-UHC	8Gb	x4	1636	IDT	C0	
Kingston	KVR24R17D4/32	32GB	17	A1	SK Hynix	H5AN8G4NAFR-UHC	8Gb	x4	1636	IDT	C0	
Micron	MTA9ASF51272PZ-2G3A2	4GB	17	D	Micron	MT40A512M8HX-083E:A	4Gb	x8	1510	Montage	C0	
Micron	MTA9ASF51272PZ-2G3A2	4GB	17	D	Micron	MT40A512M8HX-083E:A	4Gb	x8	1510	IDT	C0	
Micron	MTA9ASF51272PZ-2G3B1	4GB	17	D1	Micron	MT40A512M8RH-083E:B	4Gb	x8	1618	Montage	A0	
Micron	MTA9ASF51272PZ-2G3B1	4GB	17	D1	Micron	MT40A512M8RH-083E:B	4Gb	x8	1618	Inphi	C0	
Micron	MTA9ASF51272PZ-2G3B1	4GB	17	D1	Micron	MT40A512M8RH-075E:B	4Gb	x8	1618	IDT	C0	
Micron	MTA18ASF1G72PZ-2G3A3	8GB	17	C1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	Inphi	B0	
Micron	MTA18ASF1G72PZ-2G3A3	8GB	17	C1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	IDT	C0	
Micron	MTA18ASF1G72PZ-2G3A3	8GB	17	C1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	Montage	C0	
Micron	MTA18ASF1G72PZ-2G3B1	8GB	17	C1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	Montage	A0	
Micron	MTA18ASF1G72PZ-2G3B1	8GB	17	C1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	Inphi	C0	
Micron	MTA18ASF1G72PZ-2G3B1	8GB	17	C1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	IDT	C0	
Micron	MTA18ASF1G72PDZ-2G3A2	8GB	17	E1	Micron	MT40A512M8HX-083E:A	4Gb	x8	1512	Montage	C0	
Micron	MTA18ASF1G72PDZ-2G3A2	8GB	17	E1	Micron	MT40A512M8HX-083E:A	4Gb	x8	1514	IDT	C0	
Micron	MTA18ASF1G72PDZ-2G3B1	8GB	17	E1	Micron	MT40A512M8RH-075E:B	4Gb	x8	1618	Montage	A0	
Micron	MTA18ASF1G72PDZ-2G3B1	8GB	17	E1	Micron	MT40A512M8RH-075E:B	4Gb	x8	1618	Inphi	C0	
Micron	MTA18ASF1G72PDZ-2G3B1	8GB	17	E1	Micron	MT40A512M8RH-083E:B	4Gb	x8	1618	IDT	C0	
Micron	MTA9ASF1G72PZ-2G3A1	8GB	17	D1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1516	IDT	C0	
Micron	MTA9ASF1G72PZ-2G3A1	8GB	17	D1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1516	Montage	C0	
Micron	MTA9ASF1G72PZ-2G3B1	8GB	17	D1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	IDT	C0	
Micron	MTA9ASF1G72PZ-2G3B1	8GB	17	D1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	Montage	C0	
Micron	MTA9ASF1G72PZ-2G3B1	8GB	17	D1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	Inphi	C0	
Micron	MTA36ASF2G72PZ-2G3A3	16GB	17	B1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	Inphi	B0	
Micron	MTA36ASF2G72PZ-2G3A3	16GB	17	B1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1506	IDT	C0	
Micron	MTA36ASF2G72PZ-2G3A3	16GB	17	B1	Micron	MT40A1G4HX-083E:A	4Gb	x4	1510	Montage	C0	
Micron	MTA36ASF2G72PZ-2G3B1	16GB	17	B1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	Montage	A0	

Intel Platform Memory Operations

RDIMM SR/DR DDR4- 2400 MT/s 1.2V 1DIMM per channel; 3 slots per channel; 4 channels 2133 MT/s 1.2V 2DIMMs per channel; 3 slots per channel; 4 channels 1600 MT/s 1.2V 3DIMMs per channel; 3 slots per channel; 4 channels												
DIMM					DRAM					Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Rev	Note
Micron	MTA36ASF2G72PZ-2G3B1	16GB	17	B1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	Inphi	C0	
Micron	MTA36ASF2G72PZ-2G3B1	16GB	17	B1	Micron	MT40A1G4RH-083E:B	4Gb	x4	1618	IDT	C0	
Micron	MTA18ASF2G72PZ-2G3A1	16GB	17	C1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1512	Inphi	B0	
Micron	MTA18ASF2G72PZ-2G3A1	16GB	17	C1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1512	IDT	C0	
Micron	MTA18ASF2G72PZ-2G3A1	16GB	17	C1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1512	Montage	C0	
Micron	MTA18ASF2G72PZ-2G3B1	16GB	17	C1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1546	IDT	C0	
Micron	MTA18ASF2G72PZ-2G3B1	16GB	17	C1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1544	Montage	A0	
Micron	MTA18ASF2G72PZ-2G3B1	16GB	17	C1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1544	Inphi	C0	
Micron	MTA18ASF2G72PDZ-2G3A1	16GB	17	E1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1512	IDT	C0	1
Micron	MTA18ASF2G72PDZ-2G3A1	16GB	17	E1	Micron	MT40A1G8PM-083E:A	8Gb	x8	1512	Montage	C0	1
Micron	MTA18ASF2G72PDZ-2G3B1	16GB	17	E1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1524	Montage	C0	
Micron	MTA18ASF2G72PDZ-2G3B1	16GB	17	E1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1522	IDT	C0	
Micron	MTA18ASF2G72PDZ-2G3B1	16GB	17	E1	Micron	MT40A1G8WE-083E:B	8Gb	x8	1544	Inphi	C0	
Micron	MTA18ASF2G72PDZ-2G3D1	16GB	17	E1	Micron	MT40A1G8WE-075E:D	8Gb	x8	1624	IDT	B1	
Micron	MTA18ASF2G72PDZ-2G3D1	16GB	17	E1	Micron	MT40A1G8WE-075E:D	8Gb	x8	1624	Inphi	C0	
Micron	MTA18ASF2G72PDZ-2G3D1	16GB	17	E1	Micron	MT40A1G8WE-075E:D	8Gb	x8	1624	Montage	A0	
Micron	MTA36ASF4G72PZ-2G3A1	32GB	17	B1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1512	IDT	C0	
Micron	MTA36ASF4G72PZ-2G3A1	32GB	17	B1	Micron	MT40A2G4PM-083E:A	8Gb	x4	1512	Montage	C0	
Micron	MTA36ASF4G72PZ-2G3B1	32GB	17	B1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1522	IDT	C0	
Micron	MTA36ASF4G72PZ-2G3B1	32GB	17	B1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1522	Montage	C0	
Micron	MTA36ASF4G72PZ-2G3B1	32GB	17	B1	Micron	MT40A2G4WE-083E:B	8Gb	x4	1544	Inphi	C0	
Micron	MTA36ASF4G72PZ-2G3D1	32GB	17	B2	Micron	MT40A2G4WE-075E:D	8Gb	x4	1616	IDT	B1	
Micron	MTA36ASF4G72PZ-2G3D1	32GB	17	B2	Micron	MT40A2G4WE-075E:D	8Gb	x4	1616	Inphi	C0	
Micron	MTA36ASF4G72PZ-2G3D1	32GB	17	B2	Micron	MT40A2G4WE-075E:D	8Gb	x4	1616	Montage	A0	
Samsung	M393A5143DB0-CRC	4GB	17	D	Samsung	K4A4G085WD-BCRC	4Gb	x8	1537	IDT	C0	
Samsung	M393A5143DB0-CRC	4GB	17	D	Samsung	K4A4G085WD-BCRC	4Gb	x8	1537	IDT	C0	
Samsung	M393A5143DB0-CRC	4GB	17	D	Samsung	K4A4G085WD-BCRC	4Gb	x8	1537	Montage	C0	
Samsung	M393A1K43BB0-CRC	8GB	17	D	Samsung	K4A8G085WB-BCRC	8Gb	x8	1522	IDT	C0	
Samsung	M393A1K43BB0-CRC	8GB	17	D	Samsung	K4A8G085WB-BCRC	8Gb	x8	1522	Montage	C0	
Samsung	M393A1G43DB1-CRC	8GB	17	E1	Samsung	K4A4G085WD-BCRC	4Gb	x8	1504	IDT	C0	

Note:

1. Part has been observed to sometimes exhibit marginally lower TxVREF than Intel RMT guideline, when run at 3DPC-1600. Not considered a functional failure risk.

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Intel Platform Memory Operations

RDIMM SR/DR DDR4- 2400 MT/s 1.2V 1DIMM per channel; 3 slots per channel; 4 channels 2133 MT/s 1.2V 2DIMMs per channel; 3 slots per channel; 4 channels 1600 MT/s 1.2V 3DIMMs per channel; 3 slots per channel; 4 channels												
DIMM					DRAM					Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Rev	Note
Samsung	M393A1G43DB1-CRC	8GB	17	E1	Samsung	K4A4G085WD-BCRC	4Gb	x8	1504	Montage	C0	
Samsung	M393A1G43EB1-CRC	8GB	17	E1	Samsung	K4A4G085WE-BCRC	4Gb	x8	1610	IDT	C0	
Samsung	M393A1G43EB1-CRC	8GB	17	E1	Samsung	K4A4G085WE-BCRC	4Gb	x8	1610	Montage	C0	
Samsung	M393A1G43EB1-CRC	8GB	17	E1	Samsung	K4A4G085WE-BCRC	4Gb	x8	1610	Inphi	B0	
Samsung	M393A1G40EB1-CRC	8GB	17	C1	Samsung	K4A4G045WE-BCRC	4Gb	x4	1610	IDT	C0	
Samsung	M393A1G40EB1-CRC	8GB	17	C1	Samsung	K4A4G045WE-BCRC	4Gb	x4	1610	Montage	C0	
Samsung	M393A1G40EB1-CRC	8GB	17	C1	Samsung	K4A4G045WE-BCRC	4Gb	x4	1610	Inphi	B0	
Samsung	M393A1K43BB0-CRC	8GB	17	D	Samsung	K4A8G085WB-BCRC	8Gb	x8	1522	IDT	C0	
Samsung	M393A1K43BB0-CRC	8GB	17	D	Samsung	K4A8G085WB-BCRC	8Gb	x8	1522	Montage	C0	
Samsung	M393A1G43DB1-CRC	8GB	17	E1	Samsung	K4A4G085WD-BCRC	4Gb	x8	1504	IDT	C0	
Samsung	M393A1G43DB1-CRC	8GB	17	E1	Samsung	K4A4G085WD-BCRC	4Gb	x8	1504	Montage	C0	
Samsung	M393A1K43BB0-CRC	8GB	17	D	Samsung	K4A8G085WB-BCRC	8Gb	x8	1522	IDT	C0	
Samsung	M393A1K43BB0-CRC	8GB	17	D	Samsung	K4A8G085WB-BCRC	8Gb	x8	1522	Montage	C0	
Samsung	M393A1G43DB1-CRC	8GB	17	E1	Samsung	K4A4G085WD-BCRC	4Gb	x8	1504	IDT	C0	
Samsung	M393A1G43DB1-CRC	8GB	17	E1	Samsung	K4A4G085WD-BCRC	4Gb	x8	1504	Montage	C0	
Samsung	M393A1G43EB1-CRC	8GB	17	E1	Samsung	K4A4G085WE-BCRC	4Gb	x8	1610	IDT	C0	
Samsung	M393A1G43EB1-CRC	8GB	17	E1	Samsung	K4A4G085WE-BCRC	4Gb	x8	1610	Montage	C0	
Samsung	M393A1G43EB1-CRC	8GB	17	E1	Samsung	K4A4G085WE-BCRC	4Gb	x8	1610	Inphi	B0	
Samsung	M393A1G40EB1-CRC	8GB	17	C1	Samsung	K4A4G045WE-BCRC	4Gb	x4	1610	IDT	C0	
Samsung	M393A1G40EB1-CRC	8GB	17	C1	Samsung	K4A4G045WE-BCRC	4Gb	x4	1610	Montage	C0	
Samsung	M393A1G40EB1-CRC	8GB	17	C1	Samsung	K4A4G045WE-BCRC	4Gb	x4	1610	Inphi	B0	
Samsung	M393A1G40DB1-CRC	8GB	17	C1	Samsung	K4A4G045WD-BCRC	4Gb	x4	1504	IDT	C0	
Samsung	M393A1G40DB1-CRC	8GB	17	C1	Samsung	K4A4G045WD-BCRC	4Gb	x4	1504	Montage	C0	
Samsung	M393A2G40DB1-CRC	16GB	17	A1	Samsung	K4A4G045WD-BCRC	4Gb	x4	1501	IDT	C0	
Samsung	M393A2G40DB1-CRC	16GB	17	A1	Samsung	K4A4G045WD-BCRC	4Gb	x4	1501	Montage	C0	
Samsung	M393A2K43BB1-CRC	16GB	17	E1	Samsung	K4A8G085WB-BCRC	8Gb	x8	1513	IDT	C0	
Samsung	M393A2K43BB1-CRC	16GB	17	E1	Samsung	K4A8G085WB-BCRC	8Gb	x8	1531	Inphi	B0	
Samsung	M393A2K43BB1-CRC	16GB	17	E1	Samsung	K4A8G085WB-BCRC	8Gb	x8	1513	Montage	C0	
Samsung	M393A2K40BB1-CRC	16GB	17	C1	Samsung	K4A8G045WB-BCRC	8Gb	x4	1513	IDT	C0	
Samsung	M393A2K40BB1-CRC	16GB	17	C1	Samsung	K4A8G045WB-BCRC	8Gb	x4	1531	Inphi	B0	

Intel Platform Memory Operations

RDIMM SR/DR DDR4- 2400 MT/s 1.2V 1DIMM per channel; 3 slots per channel; 4 channels 2133 MT/s 1.2V 2DIMMs per channel; 3 slots per channel; 4 channels 1600 MT/s 1.2V 3DIMMs per channel; 3 slots per channel; 4 channels												
DIMM					DRAM					Register		
Supplier	Part Number	Size	CL	Raw Card	Supplier	Part Number	Density Die	Width	Date Code	Vendor	Rev	Note
Samsung	M393A2K40BB1-CRC	16GB	17	C1	Samsung	K4A8G045WB-BCRC	8Gb	x4	1513	Montage	C0	
Samsung	M393A4K40BB1-CRC	32GB	17	A1	Samsung	K4A8G045WB-BCRC	8Gb	x4	1513	IDT	C0	
Samsung	M393A4K40BB1-CRC	32GB	17	A1	Samsung	K4A8G045WB-BCRC	8Gb	x4	1531	Inphi	B0	
Samsung	M393A4K40BB1-CRC	32GB	17	A1	Samsung	K4A8G045WB-BCRC	8Gb	x4	1513	Montage	C0	
Samsung	M393A2G40EB1-CRC	16GB	17	A1	Samsung	K4A4G045WE-BCRC	4Gb	x4	1610	IDT	C0	
Samsung	M393A2G40EB1-CRC	16GB	17	A1	Samsung	K4A4G045WE-BCRC	4Gb	x4	1610	Montage	C0	
Samsung	M393A2G40EB1-CRC	16GB	17	A1	Samsung	K4A4G045WE-BCRC	4Gb	x4	1610	Inphi	B0	
SK hynix	HMA451R7AFR8N-UHTD	4GB	17	D	SK hynix	H5AN4G8NAFR-UHC	4Gb	x8	1545	IDT	C0	
SK hynix	HMA451R7AFR8N-UHT2	4GB	17	D	SK hynix	H5AN4G8NAFR-UHC	4Gb	x8	1545	Montage	C0	
SK hynix	HMA41GR7AFR4N-UHTD	8GB	17	C1	SK hynix	H5AN4G4NAFR-UHC	4Gb	x4	1545	IDT	C0	
SK hynix	HMA41GR7AFR4N-UHT2	8GB	17	C1	SK hynix	H5AN4G4NAFR-UHC	4Gb	x4	1545	Montage	C0	
SK hynix	HMA42GR7AFR4N-UHTD	16GB	17	B1	SK hynix	H5AN4G4NAFR-UHC	4Gb	x4	1545	IDT	C0	
SK hynix	HMA42GR7AFR4N-UHT2	16GB	17	B1	SK hynix	H5AN4G4NAFR-UHC	4Gb	x4	1545	Montage	C0	
SK hynix	HMA41GR7AFR8N-UHTD	8GB	17	E1	SK hynix	H5AN4G8NAFR-UHC	4Gb	x8	1545	IDT	C0	
SK hynix	HMA41GR7AFR8N-UHT2	8GB	17	E1	SK hynix	H5AN4G8NAFR-UHC	4Gb	x8	1545	Montage	C0	
SK hynix	HMA81GR7MFR8N-UHTD	8GB	17	D	SK hynix	H5AN8G8NMFR-UHC	8Gb	x8	1545	IDT	C0	
SK hynix	HMA81GR7MFR8N-UHT2	8GB	17	D	SK hynix	H5AN8G8NMFR-UHC	8Gb	x8	1545	Montage	C0	
SK hynix	HMA81GR7AFR8N-UHT2	8GB	17	D1	SK hynix	HMA81GR7AFR8N-UHT2	8Gb	x8	1605	Montage	C0	
SK hynix	HMA81GR7AFR8N-UHTD	8GB	17	D1	SK hynix	HMA81GR7AFR8N-UHTD	8Gb	x8	1605	IDT	C0	
SK hynix	HMA82GR7MFR4N-UHTD	16GB	17	C1	SK hynix	H5AN8G4NMFR-UHC	8Gb	x4	1545	IDT	C0	
SK hynix	HMA82GR7MFR4N-UHT2	16GB	17	C1	SK hynix	H5AN8G4NMFR-UHC	8Gb	x4	1545	Montage	C0	
SK hynix	HMA82GR7AFR4N-UHT2	16GB	17	C2	SK hynix	HMA82GR7AFR4N-UHT2	8Gb	x4	1605	Montage	C0	
SK hynix	HMA82GR7AFR4N-UHTD	16GB	17	C2	SK hynix	HMA82GR7AFR4N-UHTD	8Gb	x4	1605	IDT	C0	
SK hynix	HMA82GR7MFR8N-UHTD	16GB	17	E1	SK hynix	H5AN8G8NMFR-UHC	8Gb	x8	1545	IDT	C0	
SK hynix	HMA82GR7MFR8N-UHT2	16GB	17	E1	SK hynix	H5AN8G8NMFR-UHC	8Gb	x8	1545	Montage	C0	
SK hynix	HMA82GR7AFR8N-UHT2	16GB	17	E1	SK hynix	HMA82GR7AFR8N-UHT2	8Gb	x8	1605	Montage	C0	
SK hynix	HMA82GR7AFR8N-UHTD	16GB	17	E1	SK hynix	HMA82GR7AFR8N-UHTD	8Gb	x8	1605	IDT	C0	
SK hynix	HMA84GR7MFR4N-UHTD	32GB	17	B1	SK hynix	H5AN8G4NMFR-UHC	8Gb	x4	1545	IDT	C0	
SK hynix	HMA84GR7MFR4N-UHT2	32GB	17	B1	SK hynix	H5AN8G4NMFR-UHC	8Gb	x4	1545	Montage	C0	
SK hynix	HMA84GR7AFR4N-UHT2	32GB	17	B2	SK hynix	HMA84GR7AFR4N-UHT2	8Gb	x4	1605	Montage	C0	
SK hynix	HMA84GR7AFR4N-UHTD	32GB	17	B2	SK hynix	HMA84GR7AFR4N-UHTD	8Gb	x4	1605	IDT	C0	

Approved Test Labs:

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

8 RDIMM DDR4 Memory Validation Results

Intel Platform Memory Operations

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