

DDR2-533 (4-4-4) FBDIMM System Validation Results

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Listed below are the results of testing a sample of FBDIMM modules on Intel reference platforms and the Channel Test Card, so as to provide a guideline for memory compatibility with Intel chipsets. We are providing this information as a guide to module performance. This testing is not intended to replace the normal OEM module qualification process. For results on specific Intel or OEM production motherboards, please refer to the OEM's list of qualified memory suppliers. All validation samples on this list use a Full DIMM Heat Spreader (FDHS) design.

DIMM Vendor DIMM Part #	DIMM Size	Raw Card	AMB vendor AMB Part # AMB Revision	DRAM Vendor DRAM Part# DRAM Date Code	DRAM Tech	Misc
A-Data M2OEL2G3HAC52I1B5Z	512MB	A	Intel QG6400 C0	Elpida EDE5108AGSE-5C-E 0553	512Mbx8	
A-Data M2OEL2G3IBA52I1B5Z	1GB	B	IDT AMB0480A5RJ A1.5	Elpida EDE5108AGSE-5C-E 0536	512Mbx8	
A-Data M2OEL2G3IBC42I1B5Z	1GB	B	Intel QG6400 C0	Elpida EDE5108AGSE-5C-E 0553	512Mbx8	
Apacer 78.97G96.404	512MB	A	Intel QG6400 C0	Samsung K4T51083QC-ZCD5 0546	512Mbx8	
Apacer 78.9BG96.424	512MB	A	Intel QG6400 C0	Elpida EDE5108AGSE-5C-E 0616	512Mbx8	
Apacer 78.07G96.405	1GB	B	Intel QG6400 C0	Samsung K4T51083QC-ZCD5 0552	512Mbx8	
Apacer 78.0BG96.425	1GB	B	Intel QG6400 C0	Elpida EDE5108AGSE-5C-E 0616	512Mbx8	
Apacer 78.A7G9G.401	2GB	E	Intel QG6400 C0	Samsung K4T51043QC-ZCD5 0610	512Mbx4	
Crucial CT6472AF53E.9FB4E3	512MB	A	Intel QG6400 C0	Micron MT47H64M8CB-37E 0548	512Mbx8	
Crucial CT6472AF53E.9FB4D3	512MB	A	IDT AMB0480A5RJ A1.5	Micron MT47H64M8CB-37E 0548	512Mbx8	

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Crucial CT12872AF53E.18FB5D3	1GB	B	IDT AMB0480A5RJ A1.5	Micron MT47H64M8CB-37E 0548	512Mbx8	
Crucial CT12872AF53E.18FB5E3	1GB	B	Intel QG6400 C0	Micron MT47H64M8CB-37E 0548	512Mbx8	
Crucial CT25672AF53E.36FB3E3	2GB	H	Intel QG6400 C0	Micron MT47H128M4CB-37E 0616	512Mbx4	
Crucial CT51272AF53E.36SA3E3	4GB	J	Intel QG6400 C0	Micron MT47H512M4THJ-37E 0552	2Gbx4	DDP
Elpida EBE51FD8AGFN-5C-E	512MB	A	Intel QG6400 C0	Elpida EDE5108AGSE-5C-E 0538	512Mbx8	
Elpida EBE51FD8AGFD-5C-E	512MB	A	IDT AMB0480A5RJ A1.5	Elpida EDE5108AGSE-5C-E 0548	512Mbx8	
Elpida EBE11FD8AGFN-5C-E	1GB	B	Intel QG6400 C0	Elpida EDE5108AGSE-5C-E 0534	512Mbx8	
Elpida EBE11FD8AGFD-5C-E	1GB	B	IDT AMB0480A5RJ A1.5	Elpida EDE5108AGSE-5C-E 0548	512Mbx8	
Elpida EBE21FD4AGFN-5C-E	2GB	E	Intel QG6400 C0	Elpida EDE5104AGSE-5C-E 0539	512Mbx4	
Elpida EBE21FD4AGFD-5C-E	2GB	E	IDT AMB0480A5RJ A1.5	Elpida EDE5104AGSE-5C-E 0550	512Mbx4	
Hynix HYMP564F72BP8N2-C4	512MB	A	Intel QG6400 C0	Hynix HY5PS12821BFP-C4 0547	512Mbx8	
Hynix HYMP564F72BP8D2-C4	512MB	A	IDT AMB0480A5RJ A1.5	Hynix HY5PS12821BFP-C4 0608	512Mbx8	
Hynix HYMP512F72BP8N2-C4	1GB	B	Intel QG6400 C0	Hynix HY5PS12821BFP-C4 0550	512Mbx8	

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Hynix HYMP512F72BP8D2-C4	1GB	B	IDT AMB0480A5RJ A1.5	Hynix HY5PS12821BFP-C4 0608	512Mbx8	
Hynix HYMP525F72BP4N2-C4	2GB	E	Intel QG6400 C0	Hynix HY5PS12421BFP-C4 0545	512Mbx4	
Hynix HYMP525F72BP4D2-C4	2GB	E	IDT AMB0480A5RJ A1.5	Hynix HY5PS12421BFP-C4 0545	512Mbx4	
Hynix HYMP351F72MP4N2-C4	4GB	J	Intel QG6400 C0	Hynix HY5PS2G431MP-C4 0603	2Gbx4	DDP
Kingston KVR533D2S8F4/512	512MB	A	Intel QG6400 C0	Qimonda HYB18T512800AF-3.7 0552	512Mbx8	
Kingston KVR533D2S8F4/512	512MB	A	Intel QG6400 C0	Elpida EDE5108AGSE-5C-E 0611	512Mbx8	
Kingston KVR533D2S8F4/512	512MB	A	IDT AMB0480A5RJ A1.5	Qimonda HYB18T512800AF-3.7 0550	512Mbx8	
Kingston KVR533D2S8F4/512	512MB	A	IDT AMB0480A5RJ A1.5	Elpida EDE5108AGSE-5C-E 0611	512Mbx8	
Kingston KVR533D2D8F4/1G	1GB	B	Intel QG6400 C0	Qimonda HYB18T512800AF-3.7 0536	512Mbx8	
Kingston KVR533D2D8F4/1G	1GB	B	Intel QG6400 C0	Elpida EDE5108AGSE-5C-E 0611	512Mbx8	
Kingston KVR533D2D8F4/1G	1GB	B	IDT AMB0480A5RJ A1.5	Qimonda HYB18T512800AF-3.7 0550	512Mbx8	
Kingston KVR533D2D8F4/1G	1GB	B	IDT AMB0480A5RJ A1.5	Elpida EDE5108AGSE-5C-E 0611	512Mbx8	
Kingston KVR533D2D4F4/2G	2GB	H	Intel QG6400 C0	Qimonda HYB18T512400AF-3.7 0546	512Mbx4	

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Kingston KVR533D2D4F4/2G	2GB	H	IDT AMB0480A5RJ A1.5	Qimonda HYB18T512400AF-3.7 0610	512Mbx4	
Kingston KVR533D2D4F4/2G	2GB	E	IDT AMB0480A5RJ A1.5	Qimonda HYB18T512400AF-3.7 0610	512Mbx4	
Micron MT9HTF6472FY-53EB4E3	512MB	A	Intel QG6400 C0	Micron MT47H64M8CB-37E 0548	512Mbx8	
Micron MT9HTF6472FY-53EB4D3	512MB	A	IDT AMB0480A5RJ A1.5	Micron MT47H64M8CB-37E 0548	512Mbx8	
Micron MT18HTF12872FDY-53EB5E3	1GB	B	Intel QG6400 C0	Micron MT47H64M8CB-37E 0548	512Mbx8	
Micron MT18HTF12872FDY-53EB5D3	1GB	B	IDT AMB0480A5RJ A1.5	Micron MT47H64M8CB-37E 0548	512Mbx8	
Micron MT36HTF25672FY-53EB3E3	2GB	H	Intel QG6400 C0	Micron MT47H128M4CB-37E 0616	512Mbx4	
Micron MT36HTS51272FY-53EA3E3	4GB	J	Intel QG6400 C0	Micron MT47H512M4THJ-37E 0552	2Gbx4	DDP
Nanya NT1GT72U8PA2BN-4B	1GB	B	Intel QG6400 C0	Nanya NT5TU64M8AE-37B 0548	512Mbx8	
Qimonda (Infineon) HYS72T64400HFN-3.7-A	512MB	A	Intel QG6400 C0	Qimonda HYB18T512800AF-3.7 0536	512Mbx8	
Qimonda (Infineon) HYS72T64400HFN-3.7-B	512MB	A	Intel QG6402 D1	Qimonda HYB18T512800BF-3.7 0636	512Mbx8	
Qimonda (Infineon) HYS72T64400HFD-3.7-A	512MB	A	IDT AMB0480A5RJ A1.5	Qimonda HYB18T512800AF-3.7 0536	512Mbx8	
Qimonda (Infineon) HYS72T64400HFD-3.7-B	512MB	A	IDT AMB0480A5RJ A1.5	Qimonda HYB18T512800BF-3.7 0628	512Mbx8	

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Qimonda (Infineon) HYS72T64400HFA-3.7-B	512MB	A	Qimonda GSA17500 C1	Qimonda HYB18T512800BF-3.7 0640	512Mbx8	
Qimonda (Infineon) HYS72T128420HFN-3.7-A	1GB	B	Intel QG6400 C0	Qimonda HYB18T512800AF-3.7 0546	512Mbx8	
Qimonda (Infineon) HYS72T128420HFN-3.7-B	1GB	B	Intel QG6402 D1	Qimonda HYB18T512800BF-3.7 0638	512Mbx8	
Qimonda (Infineon) HYS72T128420HFD-3.7-A	1GB	B	IDT AMB0480A5RJ A1.5	Qimonda HYB18T512800AF-3.7 0546	512Mbx8	
Qimonda (Infineon) HYS72T128420HFD-3.7-B	1GB	B	IDT AMB0480A5RJ A1.5	Qimonda HYB18T512800BF-3.7 0628	512Mbx8	
Qimonda (Infineon) HYS72T128420HFA-3.7-B	1GB	B	Qimonda GSA17500 C1	Qimonda HYB18T512800BF-3.7 0640	512Mbx8	
Qimonda (Infineon) HYS72T256420HFN-3.7-A	2GB	H	Intel QG6400 C0	Qimonda HYB18T512400AF-3.7 0540	512Mbx4	
Qimonda (Infineon) HYS72T256420HFN-3.7-B	2GB	H	Intel QG6402 D1	Qimonda HYB18T512400BF-3.7 0636	512Mbx4	
Qimonda (Infineon) HYS72T256420HFD-3.7-A	2GB	H	IDT AMB0480A5RJ A1.5	Qimonda HYB18T512400AF-3.7 0604	512Mbx4	
Qimonda (Infineon) HYS72T256420HFD-3.7-B	2GB	H	IDT AMB0480A5RJ A1.5	Qimonda HYB18T512400BF-3.7 0628	512Mbx4	
Qimonda (Infineon) HYS72T512422HFN-3.7A	4GB	D	Intel QG6400 C0	Qimonda HYB18T2G402AF-3.7 0546	2Gbx4	DDP
Qimonda (Infineon) HYS72T512522HFN-3.7A	4GB	D	Intel QG6400 D1	Qimonda HYB18T2G402AF-3.7 0638	2Gbx4	DDP
Qimonda (Infineon) HYS72T512422HFD-3.7-A	4GB	D	IDT AMB0480A5RJ A1.5	Qimonda HYB18T2G402AF-3.7 0550	2Gbx4	DDP

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Ramaxel RMP1341EG138D6W-533	512MB	A	Intel QG6400 C0	Elpida EDE5108AGSE-5CE 0616	512Mbx8	
Ramaxel RMP1291EG138D7W-533	1GB	B	Intel QG6400 C0	Elpida EDE5108AGSE-5CE 0616	512Mbx8	
Samsung M395T6553CZ4-CD50	512MB	A	Intel QG6400 C0	Samsung K4T51083QC-ZCD5 0546	512Mbx8	
Samsung M395T6553CZ4-CD55	512MB	A	Intel QG6402 D1	Samsung K4T51083QC-ZCD5 0631	512Mbx8	
Samsung M395T6553CZ4-CD51	512MB	A	IDT AMB0480A5RJ A1.5	Samsung K4T51083QC-ZCD5 0601	512Mbx8	
Samsung M395T6553CZ4-CD52	512MB	A	NEC μPD720900KF5-667-JF2-A B5	Samsung K4T51083QC-ZCD5 0622	512Mbx8	‡
Samsung M395T2953CZ4-CD50	1GB	B	Intel QG6400 C0	Samsung K4T51083QC-ZCD5 0546	512Mbx8	
Samsung M395T2953CZ4-CD55	1GB	B	Intel QG6402 D1	Samsung K4T51083QC-ZCD5 0631	512Mbx8	
Samsung M395T2953CZ4-CD52	1GB	B	NEC μPD720900KF5-667-JF2-A B5	Samsung K4T51083QC-ZCD5 0622	512Mbx8	‡
Samsung M395T2953CZ4-CD51	1GB	B	IDT AMB0480A5RJ A1.5	Samsung K4T51083QC-ZCD5 0601	512Mbx8	
Samsung M395T5750CZ4-CD50	2GB	E	Intel QG6400 C0	Samsung K4T51043QC-ZCD5 0601	512Mbx4	
Samsung M395T5750CZ4-CD55	2GB	E	Intel QG6402 D1	Samsung K4T51043QC-ZCD5 0631	512Mbx4	
Samsung M395T5750CZ4-CD51	2GB	E	IDT AMB0480A5RJ A1.5	Samsung K4T51043QC-ZCD5 0601	512Mbx4	

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Samsung M395T5750CZ4-CD52	2GB	E	NEC μPD720900KF5-667-JF2-A B5	Samsung K4T51043QC-ZCD5 0625	512Mbx4	‡
Samsung M395T5166AZ4-CD50	4GB	D	Intel QG6400 C0	Samsung K4T2G264QA-ZCD5 0613	2Gbx4	ST
Samsung M395T5166AZ4-CD51	4GB	D	IDT AMB0480A5RJ A1.5	Samsung K4T2G264QA-ZCD5 0613	2Gbx4	ST
Samsung M395T5166AZ4-CD52	4GB	D	NEC μPD720900KF5-667-JF2-A B5	Samsung K4T2G264QA-ZCD5 0628	2Gbx4	ST, ‡
Smart SG647FBD64843IAI	512MB	A	Intel QG6400 C0	Qimonda HYB18T512800AF-3.7 0546	512Mbx8	
Smart SG1287FBD64843SCI	1GB	B	Intel QG6400 C0	Samsung K4T51083QC-ZCD5 0625	512Mbx8	
Transcend TS64MFB72V5J-T	512MB	A	IDT AMB0480A5RJ A1.5	Samsung K4T51083QC-ZCD5 0616	512Mbx8	
Transcend TS128MFB72V5J-T	1GB	B	IDT AMB0480A5RJ A1.5	Samsung K4T51083QC-ZCD5 0616	512Mbx8	

‡ - Parts require MRC (BIOS) release revision later than revision MRC1.1. B5 part is fully compatible with the Intel design guidelines but may be incompatible with specific power supply designs.

DDP – Dual Die Package. It contains two 1Gb x4 DRAM dies.

ST – 1Gb Stacked to form 2Gb