

B150-PLUS D3

DDR3 1333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
A-DATA	AD3U1333C2G9	2GB	SS	A-DATA	3CCD-1509HNA1126L	9-9-9-24-33	1.5V	•	•	•
A-DATA	AX3U1333C2G9-BP	2GB	SS	N/A	N/A	9-9-9-24-33	1.5V	•	•	•
Apacer	AU02GFA33C9NBGC	2GB	DS	Apacer	AM5D5808APQSBG	9-9-9-24-33	1.5V	•	•	•
CORSAIR	CMV4GX3M1A1333C9	4GB	SS	CORSAIR	512M8DCJGELBO3O1319	9-9-9-24-33	1.50V	•	•	•
CORSAIR	CM3X4GA1333C9N2	4GB	DS	CORSAIR	256MBDCJGELC0401136	9-9-9-24	1.5V	•	•	•
CORSAIR	CMX4GX3M1A1333C9	4GB	DS	N/A	N/A	9-9-9-24	1.50V	•	•	•
G.SKILL	F3-10666CL7D-8GBRH(XMP)	8GB(2 x 4GB)	DS	N/A	N/A	7-7-7-21	1.5V	•	•	•
G.SKILL	F3-1333C9D-16GISL	8G	DS	N/A	Heat-Sink Package	9-9-9-24	1.35V	•	•	•
GEIL	GVP34GB1333C7DC	4GB(2 x 2GB)	DS	N/A	N/A	7-7-7-24	1.5V	•	•	•
Hynix	HMT351U6BFR8C-H9	4GB	DS	Hynix	H5TQ2G83BFRH9C	9-9-9-24-33	1.5V	•	•	•
KINGMAX	FLFF65F-C8KL9 NEES	4GB	DS	KINGMAX	KFC8FNLXF-DXX-15A	9-9-9-24-33	1.5V	•	•	•
KINGMAX	FLFF65F-C8KM9 NEES	4GB	DS	KINGMAX	KFC8FNMXF-BXX-15A	9-9-9-24-33	1.5V	•	•	•
KINGSTON	KVR1333D3S8N9/2G	2GB	SS	Micron	IID77 D9LGK	9-9-9-24-33	1.5V	•	•	•
KINGSTON	KVR13N9S8/4-SP (矮版)	4GB	DS	NANYA	NT5CC512MDDN-CG	9-9-9-24-33	1.5V	•	•	•
KINGSTON	KVR13N9S8/4矮版)	4GB	DS	KINGSTON	D5128GC28PGG8U	9-9-9-24-33	1.5V	•	•	•
KINGSTON	KHX1333C7D3K2/4GX(XMP)	4GB(2 x 2GB)	DS	N/A	N/A	7	1.65V	•	•	•
KINGSTON	KVR1333D3N9/4G(矮版)	4GB	DS	ELPIDA	J2108BCSE-DJ-F	9-9-9-24-33	1.5V	•	•	•
Micron	MT8JTF25664AZ-1G4M1	2GB	SS	MICRON	IJM22 D9PFJ	9-9-9-24-33	1.5V	•	•	•
Micron	MT16JTF51264AZ-1G4D1	4GB	DS	Micron	OLD22D9LGK	9-9-9-24-33	1.5V	•	•	•
NANYA	NT4GC64B8HG0NF-CG	4GB	DS	NANYA	NT5CB256M8GN-CG	9-9-9-24-33	1.5V	•	•	•
SAMSUNG	M378B5773DH0-CH9	2GB	SS	SAMSUNG	K4B2G0846D	9-9-9-24-33	1.5V	•	•	•
Super Talent	W1333UB4GS	4GB	DS	SAMSUNG	K4B2G0846C	9-9-9-24-33	1.5V	•	•	•
Transcend	JM1333KLN-2G	2GB	SS	HYNIX	H5TQ2G83BZRH9C	9-9-9-24-33	1.5V	•	•	•
AMD	AE32G1339U1-U	2GB	SS	AMD	23EY4587MB3H11503M	9-9-9-24	1.5V	•	•	•
AMD	AE34G1339U2-U	4GB	DS	AMD	23EY4587MB3H11503M	9-9-9-24	1.5V	•	•	•
Asint	SLA304G08-EDJ1B	4GB	SS	Asint	304G08-DJ1B1301	9-9-9-24-33	1.5V	•	•	•
ASint	SLA302G08-EDJ1C	4GB	DS	Asint	SLA302G08-DJ1C	9-9-9-24-33	1.5V	•	•	•
ASint	SLA304G08-EDJ6A	4GB	SS	ASINT	304G08-DJ6A	9-9-9-24-33	1.5V	•	•	•
ASint	SLA304G08-EDJ6B	4GB	SS	ASINT	304G08-DJ6B	9-9-9-24-33	1.5V	•	•	•
Elixir	M2F2G64CB88D7N-CG	2GB	SS	Elixir	N2CB2G80DN-CG	9-9-9-24-33	1.5V	•	•	•
Elixir	M2F2G64CB88G7N-CG	2GB	SS	Elixir	N2CB2G80GN-CG	9-9-9-24-33	1.5V	•	•	•
Elixir	M2F4G64CB8HB5N-CG	4GB	DS	Elixir	N2CB2G80BN-CG	9-9-9-24-33	1.5V	•	•	•
Elixir	M2F4G64CB8HD5N-CG	4GB	DS	Elixir	N2CB2G80DN-CG	9-9-9-24-33	1.5V	•	•	•
HMD	HMDD304GU648S1B9C-MEX	4GB	SS	UUJK	512X8DDR3 WT	9-9-9-24-33	1.5V	•	•	•
MARKVISION	BMD34096M1333C9-1124	4GB	DS	MARKVISION	M3D2568E-13	9-9-9-24-33	1.50V	•	•	•
MUSHKIN	PC3-10666	2GB	SS	SEC 410 HC15	K4W2GO846P		1.50V	•	•	•
RAMAXEL	RMR1870EC58E9F-1333	4GB	DS	ELPIDA	J2108BCSE-DJ-F	9-9-9-24-33	1.50V	•	•	•
RiDATA	C304627CB1AG22Fe	2GB	DS	RiDATA	N/A	9	1.5V	•	•	•

Silicon Power	SP002GBLTU133V02	2GB	SS	S-POWER	20YT3NG-1202	9-9-9-24-33	1.5V	•	•	•
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DDR3 1600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
APACER	78.B1GET.9K00C	4GB	SS	APACER	AM5D6008BQQSCK	11-11-11-28-39	1.50V	•	•	•
Apacer	78.B1GE3.9L10C	4GB	DS	Apacer KZZC	AM5D5908DEQSCK	11-11-11-28-39	1.50V	•	•	•
APACER	78.BAQEJ.9LK0C (XMP)	4GB	DS	N/A	N/A	9-9-9-27	-	•	•	•
CORSAIR	CMY8GX3M2A1600C9	4GB	SS	N/A	N/A	9-9-9-24	1.50V	•	•	•
CORSAIR	CMD12GX3M6A1600C8(XMP)	12GB(6x2GB)	DS	N/A	N/A	8-8-8-24	1.65V	•	•	•
CORSAIR	CMZ32GX3M4X1600C10(XMP)	32GB(8GBx4)	DS	N/A	N/A	10-10-10-27	1.50V	•	•	•
CORSAIR	CMP4GX3M2C1600C7(XMP)	4GB(2 x 2GB)	DS	N/A	N/A	7-8-7-20	1.65V	•	•	•
CORSAIR	CML8GX3M2A1600C9	4GB	DS	N/A	N/A	9-9-9-24	1.50V	•	•	•
CORSAIR	CMZ8GX3M2A1600C9	4GB	DS	N/A	N/A	9-9-9-24	1.50V	•	•	•
CORSAIR	TR3X6G1600C8D G(XMP)	6GB(3 x 2GB)	DS	N/A	N/A	8-8-8-24	1.65V	•	•	•
CORSAIR	TR3X6G1600C9 G(XMP)	6GB(3 x 2GB)	DS	N/A	N/A	9-9-9-24	1.65V	•	•	•
CORSAIR	CMY32GX3M4A1600C9	8GB	DS	N/A	N/A	9-9-9-24	1.50V	•	•	•
CORSAIR	CMZ8GX3M1A1600C10(XMP)	8GB	DS	N/A	N/A	10-10-10-27	1.50V	•	•	•
CRUCIAL	CT102464BA160B.C16FED	8GB	DS	CRUCIAL	CT512X8-160B	10-10-10-27	1.50V	•	•	•
CRUCIAL	BLS4G3D1609ES2LX0.16FER2	4G	DS	N/A	Heat-Sink Package	9-9-9-24	1.35V	•	•	•
G.SKILL	F3-1600C11S-4GNT	4GB	SS	SEC 343 XYKO	K4B4GO846D	11-11-11-28	1.5V	•	•	•
G.SKILL	F3-12800CL7D-8GBRH(XMP)	8GB(2 x 4GB)	DS	N/A	N/A	7-8-7-24	1.6V	•	•	•
G.SKILL	F3-12800CL10S-8GBXL(XMP)	8GB	DS	N/A	N/A	10-10-10-30	1.50V	•	•	•
G.SKILL	F3-12800CL9Q-16GBSR1	4G	DS	N/A	Heat-Sink Package	9-9-9-24	1.35V	•	•	•
GEIL	GVP38GB1600C9SC (XMP)	4GB	DS	N/A	N/A	11-11-11-28	1.5V	•	•	•
HYNIX	HMT351U6CFR8C-PB	4GB	DS	HYNIX	H5TQ2G83CFR PBC	11-11-11-28-39	1.50V	•	•	•
KINGSTON	KHX1600C9D3K2/8GX (XMP)	4GB	SS	N/A	N/A	11-11-28-39	1.65V	•	•	•
KINGSTON	KVR16N11S8/4(矮版)	4GB	SS	KINGSTON	U317X8BRRA19	11-11-11-28-39	1.50V	•	•	•
KINGSTON	KHX1600C9D3K3/12GX(XMP)	12GB(3x4GB)	DS	N/A	N/A	9-9-9-27	1.65V	•	•	•
KINGSTON	KHX1600C9D3T1BK3/12GX(XMP)	12GB(3x4GB)	DS	N/A	N/A	9-9-9-27	1.65V	•	•	•
KINGSTON	KHX16C9K2/16	16GB(8GBx2)	DS	N/A	N/A	9-9-9-24-33	1.5V	•	•	•
KINGSTON	KHX1600C9AD3/2G	2GB	DS	N/A	N/A	9-9-9-24-33	1.65V	•	•	•
KINGSTON	KHX1600C9D3/4G	4GB	DS	N/A	N/A	9-9-9-24-33	1.65V	•	•	•
KINGSTON	KVR16N11/4(矮版)	4GB	DS	KINGSTON	D2568GEROPGGBU	11-11-28-39	1.5V	•	•	•
KINGSTON	KHX1600C9D3T1BK3/6GX(XMP)	6GB(3 x 2GB)	DS	N/A	N/A	9-9-9-27	1.65V	•	•	•
KINGSTON	KHX1600C9D3P1K2/8G	8GB(2 x 4GB)	DS	N/A	N/A	9-9-9-27-39	1.5V	•	•	•
KINGSTON	KHX16C9P1K2/16(XMP)	8GB	DS	N/A	N/A	9-9-9-27-39	1.5V	•	•	•
KINGSTON	KVR16N11S/4	4GB	SS	KINGSTON	D5128EC4BPGGBU		1.5V	•	•	•
KINGSTON	KVR16N11/4	4GB	SS	KINGSTON	D5128EC4BPGGBU		1.35V	•	•	•
KINGSTON	KVR16N11/8-SP	8GB	DS	KINGSTON	BJM730C3G-M		1.5V	•	•	•

KINGSTON	HX316C10F/4	4GB	SS	N/A	Heat-Sink Package		1.5V	•	•	•
KINGSTON	HX316C10F/4	8GB	DS	N/A	Heat-Sink Package		1.5V	•	•	•
MICRON	MT8JTF51264AZ-1G6E1	4GB	SS	MICRON	D9QBJ	11-11-11-28-39	1.50V	•	•	•
MICRON	MT16JTF1G64AZ-1G6E1	8GB	DS	MICRON	D9QBJ	11-11-11-28-39	1.50V	•	•	•
MUSHKIN	PC3-12800	4GB	DS	N/A	Heat-Sink Package	9-9-9-24	1.50V	•	•	•
MIRA	PLAF8L93B-GN2	8GB	DS	N/A	BJE159C3G-M	9-9-9-24	1.50V	•	•	•
PSC	AL9F8L93B-GN2E	4GB	SS	PSC	XHP284C3G-M	11-11-11-28-39	1.50V	•	•	•
PSC	ALAF8L93B-GN2E	8GB	DS	PSC	XHR425C3G-M	11-11-11-28-39	1.50V	•	•	•
TEAM	TLD38G1600HC9BK	8GB	DS	-	-	9-9-9-24	1.5V	•	•	•
TEAM	TED38G1600C11BK	8G	SS	TEAM	T3D10248HT-16		1.5V	•	•	•
TEAM	TED3L8G1600C11BK	8G	DS	TEAM	T3D5128HT-16		1.35V	•	•	•
TEAM	TED3L4G1600C11BK	4G	SS	TEAM	T3D5128HT-16		1.35V	•	•	•
ADATA	ADDU1600W4G11-B	4GB	SS	ADATA	DWND-1211A	11-11-11-28-39	1.35V	•	•	•
ADATA	N/A	4GB	SS	ADATA	3WCD-12IIA EL1348V	-	-	•	•	•
ADATA	AX3U1600W4G9-DB(XMP)	8GB (2x 4GB)	SS	N/A	N/A	9-9-9-24	1.5V	•	•	•
ADATA	AX3U1600W8G9-DB	16GB (2x 8GB)	DS	N/A	N/A	9-9-9-24	1.5V	•	•	•
ADATA	ADDU1600W8G11-B	8GB	DS	ELPIDA	J4208EBBG-GN-F	11-11-11-28-39	1.35V	•	•	•
AMD	AE38G1609U1K	4GB	SS	N/A	N/A	9-9-9-28	1.5V	•	•	•
ASint	SLZ302G08-EGN1C	2GB	SS	Asint	SLZ302G08-GN1C	11-11-11-28-39	1.5V	•	•	•
Asint	SLA304G08-ENG1B	4GB	SS	Asint	304G08-GN1B1301	11-11-11-28-39	1.5V	•	•	•
Asint	SLA302G08-EGG1C(XMP)	4GB	DS	Asint	302G08-GG1C	-	1.5V-1.6V	•	•	•
Asint	SLA302G08-EGJ1C(XMP)	4GB	DS	Asint	302G08-GJ1C	-	1.5V-1.6V	•	•	•
ASint	SLA302G08-EGN1C	4GB	DS	Asint	SLA302G08-GN1C	11-11-11-28-39	1.5V	•	•	•
Asint	SLB304G08-EGJ1B	8GB	DS	N/A	N/A	11-11-11-28-39	1.5V-1.6V	•	•	•
ASint	SLB304G08-EGN1B	8GB	DS	Asint	SLB304G08-GN1B	11-11-11-28-39	1.5V	•	•	•
ASint	SLB304G08-EGN1B	8GB	DS	Asint	SLB304G08-GN1B	11-11-11-28-39	1.5V	•	•	•
ASint	SLA304G08-EGN6B	4GB	SS	ASINT	304G08-GN6B	11-11-11-28-39	1.5V	•	•	•
AVEXIR	AVD3U16000904G-4CI	4GB	SS	N/A	Heat-Sink Package		1.5V	•	•	•
AVEXIR	AVD3U16001108G-1LW	8G	DS	HYNIX	H5TQ4G83MFR		1.35V	•	•	•
AVEXIR	AVD3U16001104G-1LW	4G	SS	SEC 431 BYKO	K4B4G0846D		1.35V	•	•	•
AVEXIR	AVD3U16001108G-1BW	8G	SS	N/A	Heat-Sink Package		1.5V	•	•	•
APOTPO	L3A4G*2-16CBDA	4G	DS	APOTPO	CA32G0BE3D-13BL		1.35V	•	•	•

Elixir	M2P2G64CB8HC9N-DG	2GB	DS	N/A	N/A	10-10-10-28-38	1.5V-1.6V	•	•	•
Elixir	M2X8G64CB8HB5N-DG(XMP)	8GB	DS	Elixir 1213	N2CB4G8BOBN-DG	11-11-11-28-39	1.5V-1.65V	•	•	•
PANRAM	PUD31600C118GPSB	8GB	DS	N/A	N/A	11-11-28-39	1.50V	•	•	•
SANMAX	SMD-4G28N1P-16KM	4GB	SS	ELPIDA	J4208BBBG-GN-F	11-11-28-39	1.50V	•	•	•
SANMAX	SMD-4G68HP-16KZ	4GB	DS	HYNIX	H5TQ2G83BFR PBC	11-11-11-28-39	1.5V	•	•	•
SAMSUNG	M379B5273DHO-YKO 1325	4GB	DS	SEC 312 BJKO	K4B2GO846C	11-11-28-39	1.35V	•	•	•
SK HYNIX	HMT41GU6BFR8A-PB NO AA	8GB	DS	SK HYNIX	H5TC4GB3BFR	11-11-28-39	1.35V	•	•	•
SK HYNIX	HMT451U6BFR8A-PB NO AA	4GB	SS	SK HYNIX	H5TC4GB3BFR	11-11-28-39	1.35V	•	•	•
Silicon Power	SP002GBLTU160V02(XMP)	2GB	SS	S-POWER	20YT5NG-1201	11-11-11-28-39	1.5V	•	•	•
Silicon Power	SP004GLLTU160N01	4G	SS	NANYA	NT5CB512M8CN-DI		1.35V	•	•	•
Silicon Power	SP008GLLTU160N01	8G	DS	NANYA	NT5CB512M8CN-DI		1.35V	•	•	•
Silicon Power	SP004GLLTE160N01	4G	SS	NANYA	NT5CB512M8CN-DI		1.35V	•	•	•
Silicon Power	SP008GLLTU160N02	8G	DS	SP	3L4085HLBE		1.35V	•	•	•
V-COLOR	TD4G8C11-H11	4GB	SS	HYNIX	H5TQ4G83MFR	11-11-11-28-39	1.5V	•	•	•
V-COLOR	TD8G8C11-H11D	8G	SS	V-COLOR	8G8HY-16CD		1.5V	•	•	•
VENTURA	D3-55DK1145V-11	2GB	SS	SEC 404 BCKO	K4B2GO846Q	11-11-44-28-39	1.5V	•	•	•
VENTURA	D3 57DN114SV-11	4G	SS	SEC 422 HCKO	K4B4G0846Q		1.5V	•	•	•
TEKISM	TLU1600B8G11-HYA	8G	DS	SK HYNIX	H5TC4G83AFR			•	•	•
MICRON	MT16KTF2G64AZ-1G6A1	16GB	DS	N/A	4ZA47D9STP	11-11-11-28	1.35V	•	•	•

DDR3 1866 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
CORSAIR	CMY8GX3M2A1866C9	4GB	SS	N/A	N/A	9-10-9-27	1.50V	•	•	•
CORSAIR	CMZ8GX3M2A1866C9(XMP)	8GB(2 x 4GB)	DS	N/A	N/A	9-10-9-27	1.50V	•	•	•
CORSAIR	CMY16GX3M2A1866C9(Ver3.24)	8GB	DS	N/A	N/A	9-10-9-27	1.50V	•	•	•
CORSAIR	CMY32GX3M4A1866C9	8GB	DS	N/A	N/A	9-10-9-27	1.50V	•	•	•
CRUCIAL	BLS8G3D18ADS3.16FED	8GB	DS	N/A	N/A	10-10-10-30	1.5V	•	•	•
CRUCIAL	BLE4G3D1869DE1TX0.16FKR	4GB	DS	N/A	N/A	9-9-9-27	1.5V	•	•	•
CRUCIAL	BLE8G3D1869DE1TX0.16FED	8GB	DS	N/A	N/A	9-9-9-27	1.5V	•	•	•
CRUCIAL	BLT8G3D1869DT1TX0.16FED	8GB	DS	N/A	N/A	9-9-9-27	1.5V	•	•	•
G.SKILL	F3-14900CL10Q2-64GBZLD(XMP1.3)	64GB (8GBx 8)	DS	N/A	N/A	10-11-10-30	1.5V	•	•	•
G.SKILL	F3-14900CL9Q-8GBXL(XMP)	8GB(2GBx4)	DS	N/A	N/A	9-9-9-24	1.6V	•	•	•
KINGSTON	KHX1866C9D3K4/16GX(XMP)	16GB (4GB x4)	DS	N/A	N/A	9-9-9-24-33	1.65V	•	•	•

KINGSTON	KHX18C9T2K2/8X	8GB (2x 4GB)	DS	N/A	N/A	9-9-9-24-33	1.65	•	•	•
KINGSTON	KHX1866C11D3P1K2/8G	8GB (4GB x 2)	DS	N/A	N/A	-	1.5V	•	•	•
KINGSTON	KHX1866C9D3K2/8GX(XMP)	8GB(4GBX2)	DS	N/A	N/A	9-9-9-24-33	1.65V	•	•	•
AMD	AP38G1869U2K	8GB(4GBX2)	DS	N/A	N/A	9-10-9-27	1.5V	•	•	•
PATRIOT	PV138G186C9KPD000326	4GB	DS	N/A	N/A	9-9-9-24-39	1.5V	•	•	•
PANRAM	PUD31866C94G2PSB	4GB	SS	N/A	Heat-Sink Package	9-10-9-27	1.65V	•	•	•
PANRAM	PUD31866C98GPSB	8GB	DS	N/A	Heat-Sink Package	9-10-9-27	1.65V	•	•	•
TEAM	TED38GM1866C13BK	8GB	DS	HYNIX	H5TQ4G83AFY	13-13-13-31	1.5V	•	•	•
AVEXIR	AVD3U0904G-4CI	4GB	SS	N/A	N/A	11-11-11-28-39	1.65V	•	•	•
AVEXIR	AVD3U0908G-4CI	8GB	DS	N/A	N/A	11-11-11-28-39	1.5V	•	•	•
AVEXIR	AVD3U18661108G-1LW	8G	DS	HYNIX	H5TQ4G83MFR		1.35V	•	•	•
AVEXIR	AVD3U18661104G-1LW	4G	SS	SEC 431 BYKO	K4B4G0846D		1.35V	•	•	•
MUSHKIN	PC3-14900	8GB	DS	N/A	Heat-Sink Package	11-11-11-28-39	1.5V	•	•	•
EPICGEAR	YE1410-L8M280381	8G	DS	N/A	CL1L512M088BA11Y		1.5V	•	•	•

4 DIMM Slots

- **1 DIMM:** Supports one module inserted in any slot as Single-channel memory configuration
- **2 DIMM:** Supports one pair of modules inserted into either the [blue](#) slots or the [black](#) slots as one pair of Dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into both the [blue](#) and [black](#) slots as two pairs of Dual-channel memory configuration

-When installing total memory of 4GB capacity or more, Windows 32-bit operation system may only recognize less than 3GB. Hence, a total installed memory of less than 3GB is recommended.

-It is recommended to install the memory modules from the slots for better overclocking capability.

-The default DIMM frequency depends on its Serial Presence Detect (SPD), which is the standard way of accessing information from a memory module. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value.