

B150 PRO GAMING

DDR4 3000 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
KINGSTON	HX430C15PB2K4/16	4G	SS	N/A	Heat-Sink Package		1.35V	•	•	•
KINGSTON	HX430C15PB2K4/16	4G	SS	N/A	Heat-Sink Package		1.35V	•	•	•
G.SKILL	F4-3000C15Q-16GRR	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.35V	•	•	•
TEAM	TCD48G3000C16ABK	8G	DS	TEAM	T4D5128HT-30	16-16-16-36	1.35V	•	•	•
TEAM	TCD44G3000C16ABK	4G	SS	TEAM	T4D5128HT-30	16-16-16-36	1.35V	•	•	•
PANRAM	PUD43000C154G4NJW	4G	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	•
KINGSTON	HX430C15PBK4/32	8G	DS	N/A	Heat-Sink Package	15-16-16-39-65	1.35V	•	•	•

DDR4 2800 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	CMK16GX4M4A2800C16	4G	SS	N/A	Heat-Sink Package	16-18-18-36	1.2V	•	•	•
G.SKILL	HX428C14PB2K4/16	4G	SS	N/A	Heat-Sink Package		1.35V	•	•	•
G.SKILL	F4-2800C6Q-16GRK	4G	SS	N/A	Heat-Sink Package	16-16-16-36	1.2V	•	•	•
PATRIOT	PX416G280C6QK	4G	SS	N/A	Heat-Sink Package	16-18-18-36	1.2V	•	•	•
GLOWAY	PC4-22400	4G	SS	SK HYNIX	H5AN4G8NMFR	16-16-16-36	1.2V	•	•	•
PANRAM	PUD42800C164G4NJW	4G	SS	N/A	Heat-Sink Package	16-18-18-36	1.25V	•	•	•
MUSHKIN	994207F	4G	SS	N/A	Heat-Sink Package	16-16-16-36-52	1.2V	•	•	•
KINGSTON	HX428C14PBK/32	8G	DS	N/A	Heat-Sink Package	14-15-15-39-63	1.35V	•	•	•

DDR4 2666 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	CMK16GX4M4A2666C16	4G	SS	N/A	Heat-Sink Package	16-16-18-35	1.2V	•	•	•
CORSAIR	CMD32GX4M4A2666C15(Ver5.2 9)	8G	DS	N/A	Heat-Sink Package	15-17-17-35	1.2V	•	•	•
CORSAIR	CMD128GX4MM8A2666C15	16G	DS	N/A	Heat-Sink Package	15-18-18-35	1.2V	•	•	•
CRUCIAL	BLE4G4D26AFEA.8FAD	8G	SS	N/A	Heat-Sink Package	16-16-17-36	1.2V	•	•	•
CRUCIAL	BLE8G4D26AFEA.16FAD	16G	DS	N/A	Heat-Sink Package	16-16-17-36	1.2V	•	•	•

G.SKILL	F4-2666C15Q-16GRR	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
PATRIOT	PX416G266C5QK	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
G.SKILL	F4-2666C16Q2-64GRB	8G	DS	N/A	Heat-Sink Package	16-16-16-36	1.2V	•	•	•
TEAM	TCD48G2666C15ABK	8G	DS	SK HYNIX	H5AN4G8NMFR	15-15-15-35	1.2V	•	•	•
TEAM	TCD44G2666C15ABK	4G	SS	SEC 443 BCPB	K4A4G085WD	15-15-15-35	1.2V	•	•	•
MUSHKIN	997192F	4G	SS	N/A	Heat-Sink Package	15-15-15-35-50	1.2V	•	•	•
KINGSTON	HX426C13PBK4/32	8G	DS	N/A	Heat-Sink Package	13-14-14-39-60	1.35V	•	•	•
KINGSTON	HX426C15FBK4/32	8G	DS	N/A	Heat-Sink Package		1.2V	•	•	•
KINGSTON	HX426C15FBK4/16	4G	SS	N/A	Heat-Sink Package		1.2V	•	•	•

DDR4 2400 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
ADATA	AX4U2400W8G16-DRZ	8G	DS	N/A	Heat-Sink Package	16-16-16	1.2V	•	•	•
G.SKILL	F4-2400C15Q-32GRB	8G	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
G.SKILL	F4-2400C14Q2-128GRK	16G	DS	N/A	Heat-Sink Package	14-14-14-34	1.2V	•	•	•
G.SKILL	F4-2400C14Q-16GRK	4G	SS	N/A	Heat-Sink Package	14-14-14-34	1.2V	•	•	•
G.SKILL	F4-2400C15Q-16GRR	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
PATRIOT	PX416G240C5QK	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
GLOWAY	PC4-19200	4G	SS	GLOWAY	512X8DDR4	16-16-16-35	1.2V	•	•	•
TEAM	TED44GM2400C16BK	4G	SS	SEC 437 BCPB	K4A4G085WD	16-16-16-39	1.2V	•	•	•
TEAM	TED48GM2400C16BK	8G	DS	SEC 443 BCPB	K4A4G085WD	16-16-16-39	1.2V	•	•	•
PANRAM	PUD42400C154G4NJW	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
PANRAM	PUD42400C158G4NJW	8G	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
CORSAIR	CMK32GX4M4A2400C14	8G	DS	N/A	Heat-Sink Package	14-16-16-31	1.2V	•	•	•
CRUCIAL	BLS4K4G4D240FSA	4G	SS	N/A	Heat-Sink Package	16-16-16-39	1.2V	•	•	•
ADATA	AX4U2400W4G16-DRZ	4G	SS	N/A	Heat-Sink Package	16-16-16	1.2V	•	•	•
GEIL	GPR416GB2400C15QC	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
KINGSTON	HX424C15FBK4/32	8G	DS	N/A	Heat-Sink Package	15-15-15-35-57	1.2V	•	•	•
KINGSTON	HX424C15FBK4/16	4G	SS	N/A	Heat-Sink Package		1.2V	•	•	•
APACER	78.C1GMA.AF30B	8G	DS	SK HYNIX	H5AN4G8NMFR	16-16-16-36	1.2V	•	•	•
APACER	78.B1GMA.AF20B	4G	SS	SK HYNIX	H5AN4G8NMFR	16-16-16-36	1.2V	•	•	•

DDR4 2133 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
SAMSUNG	M378A5143DB0--CPB	4G	SS	SEC 428 BCPB	K4A4G085WD	13-13-13-33	1.5V	•	•	•
SAMSUNG	M378A1G43DB0--CPB	8G	DS	SEC 428 BCPB	K4A4G085WD	13-13-13-33	1.5V	•	•	•
G.SKILL	F4-2133C15Q-32GRK	8G	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
G.SKILL	F4-2133C15Q-16GRB	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
GLOWAY	PC4-17000	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•
KINGSTON	HX421C13PBK4/16	4G	SS	N/A	Heat-Sink Package		1.2V	•	•	•
KINGSTON	HX421C14FB/8	8G	DS	N/A	Heat-Sink Package	14-14-14-35	1.2V	•	•	•
KINGSTON	HX421C14FBK4/32	8G	DS	N/A	Heat-Sink Package		1.2V	•	•	•
PANRAM	PUD42133C138G4NJW	8G	DS	N/A	Heat-Sink Package	13-13-13-35	1.2V	•	•	•
PANRAM	PUD42133C134G4NJW	4G	SS	N/A	Heat-Sink Package	13-13-13-35	1.2V	•	•	•
CORSAIR	CMK16GX4M4A2133C15	4G	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•	•
CORSAIR	CMV4GX4M1A2133C15	4G	SS	N/A	4GA72Z9RGR	13-13-34-33	1.5V	•	•	•
CORSAIR	CMV8GX4M1A2133C15	8G	DS	SEC 446 BCPB	K4A4G085WD	13-13-13-33	1.5V	•	•	•
CRUCIAL	MTA8ATF51264AZ-2G1A1	4G	SS	MICRON	4QA77D9RCQ	13-13-13-33	1.2V	•	•	•
TEAM	TED48GM2133C15BK	8G	DS	SEC 437BCBP	K4A4G085WD	15-15-15-36	1.2V	•	•	•
TEAM	TED44GM2133C15BK	4G	SS	SEC 443 BCBP	K4A4G085WD	15-15-15-36	1.2V	•	•	
APACER	78.C1GM3.AF10B	8G	DS	SK HYNIX	H5AN4G8NMFR	14-14-14-33	1.5V	•	•	•
APACER	AU04GGB13CDTBGC	4G	SS	SK HYNIX	H5AN4G8NMFR	14-14-14-33	1.5V	•	•	
TEKISM	T4U2133B8G15-SAD	8G	DS	SEC 446 BCPB	K4A4G085WD			•	•	•

4 DIMM Slots

- 1 DIMM: Supports one module inserted in any slot as Single-channel memory configuration. Install the module into A2 slot for better compatibility.
 - 2 DIMM: Supports one pair of modules inserted into the same color slots as one pair of Dual-channel memory configuration. Install the modules into A2/B2 slots for better compatibility.
 - 4 DIMM: Supports 4 modules inserted into both A1/A2 and B1/B2 slots as two pairs of Dual-channel memory configuration
- When running XMP at DDR4 3200 MHz or higher, the system's stability depends on the CPU's capabilities.
- 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.
- 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
- Highly recommended to use 4-DIMM/2-DIMM kit for full DIMM configuration. Full DIMM support is subject to the physical characteristics of individual CPUs or Memory.
- Always install DIMMs with the same CAS latency. For optimal compatibility, we recommend that you install memory modules of the same version or date code (D/C) from the same vendor. Check with the retailer to get the correct memory modules.
- Memory module with memory frequency higher than 2133 MHz and its corresponding timing or the loaded XMP Profile is not the JEDEC memory standard. The stability and compatibility of these memory modules depend on the CPU's capabilities and other installed devices.
- Due to Intel® chipset limitation, DDR4 2133 MHz and higher memory modules on XMP mode will run at the maximum transfer rate of DDR4 2133 Mhz.