

Z170I PRO GAMING

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
KINGSTON	HX421C13SBK4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-36	1.2V	●	●
KINGSTON	HX421C13SBK4/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	●	●
KINGSTON	KVR21N15D8/8	8G	DS	SK HYNIX	H5AN4G8NAFR	15-15-15-36	1.2V	●	●
Silicon Power	SP004GBLFU213N02	4G	SS	SP	4N4083HMBE S1543X	15-15-15-36	1.2V	●	●
GALAXY	GAM4DBLBM213315IE081C	8G	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	●	●
AVEXIR	AVD4U21331508G-1C0B	8G	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	●	●
TEAM	TED48GM2133C15BK	8G	DS	SK HYNIX	H5AN4G8NMFR	15-15-15-36	1.2V	●	●
TEANSCEND	TS1GLH72V1H (ECC)	8G	DS	SEC552	K4A4G085WEBCPB			●	●
ADATA	AD4U2133W8G15-B	128GB(16x 8G)	DS	SK HYNIX	H5AN4G8NAFR			●	●

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
KINGSTON	HX424C12PBK4/32	8G	DS	N/A	Heat-Sink Package		1.35V	●	●
G.SKILL	F4-2400C15Q-32GRR	8G	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	●	●
CORSAIR	CMD32GX4M4A2400C14	8G	DS	N/A	Heat-Sink Package	14-16-16-31	1.2V	●	●
AMD	R748G2400U2S	8G	DS	N/A	Heat-Sink Package	15-15-15-36	1.2V	●	●
MICRON	MTA16ATF2G64AZ-2G3B1	16G	DS	MICRON	5WB47D9TBH			●	●
MICRON	MTA8ATF1G64AZ-2G3B1	8G	SS	MICRON	5WB47D9TBH	17-17-17-39-55	1.2V	●	●
KINGSTON	HX424C12SB2K4/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package		1.2V	●	●
KINGSTON	HX424C12SB2K4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package		1.35V	●	●
KINGSTON	HX424C15FBK2/16	16GB (8GB*2)	DS	N/A	Heat-Sink Package		1.2V	●	●
GALAXY	GAM4BXLBS240016JE164C	16GB (4GB*4)	SS	N/A	Heat-Sink Package	16-16-16-36	1.2V	●	●
APACER	AH08GGB24CDT5H	16GB (2x 8G)	DS	N/A	Heat-Sink Package	16-16-16-36		●	●
CORSAIR	CMK8GX4M2A2400C14	8GB (2x 4G)	SS	N/A	Heat-Sink Package	14-16-16-31	1.2V	●	●
CORSAIR	CMK16GX4M2A2400C14	16GB (2x 8G)	DS	N/A	Heat-Sink Package	14-16-16-31	1.2V	●	●

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
KINGSTON	HX426C13SB2K4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-36	1.35V	●	●
KINGSTON	HX426C13SB2K4/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36	1.35V	●	●
TEAM	TCD48G2666C15ABK	8G	SS	TEAM	T4D10248HT-266	15-15-15-35	1.2V	●	●

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
CORSAIR	CMK32GX4M4A2800C16	32GB (8GB*4)	DS	N/A	Heat-Sink Package	16-18-18-36	1.2V	●	●
KINGSTON	HX428C14SB2K4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-36-50	1.35V	●	●
KINGSTON	HX428C14SB2K4/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36-50	1.35V	●	●

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
KINGSTON	HX430C15SB2K4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-36-50	1.35V	●	●
CORSAIR	CMK16GX4M2B3000C15	16GB (8GB*2)	DS	N/A	Heat-Sink Package	15-17-17-35	1.35V	●	●
KINGSTON	HX430C15SB2K4/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36-50	1.35V	●	●

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 **Gray** slots or the **Black** slots as one pair of Dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into both the **Gray** 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.