

## B150M PRO GAMING

DDR4 3000 Qualified Vendors List (QVL)- 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.										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
Asint	SLA404G08-EWWHM(XMP)	4GB	SS	SK Hynix	H5AN4G8NMFRFC	3000-15-15-15-44	1.35	●	●	●
Asint	SLB404G08-EW1HM(XMP)	8GB	DS	-	-	16-18-18-44	1.35	●	●	●
AVEXIR	AVD4U30001504G-4CIR(XMP)	16GB ( 4x 4GB )	DS	-	-	15-15-15-35	1.35	●	●	●
AVEXIR	AVD4U30001608G-4CIR(XMP)	32GB ( 4x 8GB )	DS	-	-	16-18-18-36	1.35	●	●	●
CORSAIR	CMD16GX4M4B3000C15(Ver5.29)(XMP)	16GB ( 4x 4GB )	DS	-	-	15-17-17-35	1.35	●	●	●
CORSAIR	CMD32GX4M4B3000C15(Ver4.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	3000-15-17-17-35	1.35	●	●	●
CORSAIR	CMK16GX4M2B3000C15(Ver4.23)(XMP)	16GB ( 2x 8GB )	DS	-	-	15-17-17-35	1.35	●	●	●
CORSAIR	CMK16GX4M4B3000C15(Ver5.29)(XMP)	16GB ( 4x 4GB )	SS	-	-	15-17-17-35	1.35	●	●	●
CORSAIR	CMK32GX4M2B3000C15(Ver4.31)(XMP)	32GB ( 2x 16GB )	DS	-	-	15-17-17-35	1.35	●	●	●
CORSAIR	CMK8GX4M2B3000C15(Ver4.23)(XMP)	8GB ( 2x 4GB )	DS	-	-	15-17-17-35	1.35	●	●	●
G.SKILL	F4-3000C15Q-16GRK(XMP)	16GB ( 4x 4GB )	SS	-	-	15-15-15-35	1.35	●	●	●
G.SKILL	F4-3000C15Q-16GRR(XMP)	16GB ( 4x 4GB )	SS	-	-	15-15-15-35	1.35	●	●	●
G.SKILL	F4-3000C15Q-32GRK(XMP)	32GB ( 4x 8GB )	DS	-	-	15-15-15-35	1.35	●	●	●
GeIL	GLR416GB3000C16QC(XMP)	16GB ( 4x 4GB )	SS	-	-	16-16-16-36	1.35	●	●	●
GeIL	GWV416GB3000C15DC(XMP)	16GB ( 2x 8GB )	DS	GeIL	CG4L512G88BA093L	3000-15-17-17-35	1.35	●	●	●
Kingston	HX430C15PB2K4/16(XMP)	16GB ( 4x 4GB )	SS	-	-	15-16-16-39	1.35	●	●	●
Kingston	HX430C15PBK4/32(XMP)	32GB ( 4x 8GB )	DS	-	-	15-16-16-39	1.35	●	●	●
Kingston	HX430C15SBK2/16(XMP)	16GB ( 2x 8GB )	DS	-	-	15-16-16-39	1.35	●	●	●
Klevv	IM44GU48A30-GIIHMC(XMP)	4GB	SS	-	-	16-18-18-36	1.35	●	●	●
panram	PUD43000C154G4NJW(XMP)	16GB ( 4x 4GB )	SS	-	-	15-17-17-35	1.35	●	●	●
PATRIOT	PV432G300C6QK-PE000378(XMP)	32GB ( 8x 4GB )	DS	-	-	16-16-16-36	1.35	●	●	●

DDR4 2800 Qualified Vendors List (QVL)-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.										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
ADATA	AX4U2800316G16(XMP)	16GB	DS	-	-	16-16-16-36	1.2	●	●	●
ADATA	AX4U2800W4G17(XMP)	32GB ( 8x 4GB )	DS	-	-	17-17-17-36	1.2	●	●	●
ADATA	AX4U2800W8G17(XMP)	8GB	DS	-	-	15-15-15-36	1.2	●	●	●
Apacer	78.BAGM8.AF20B(XMP)	4GB	SS	-	-	17-17-17-36	-	●	●	●
Apacer	78.CAGM8.AF30B(XMP)	8GB	DS	-	-	17-17-17-36	-	●	●	●
AVEXIR	AVD4U28001504G-4CIR(XMP)	4GB	SS	-	-	15-15-15-35	1.35	●	●	●
AVEXIR	AVD4U28001608G-4CIR(XMP)	32GB (4x 8GB )	DS	-	-	16-16-16-36	1.2	●	●	●
CORSAIR	CMD16GX4M4A2800C16(Ver4.23)(XMP)	16GB ( 4x 4GB )	SS	-	-	16-18-18-36	1.2	●	●	●
CORSAIR	CMD16GX4M4A2800C16(Ver5.29)	16GB ( 4x 4GB )	SS	-	-	16-18-18-36	1.2	●	●	●
CORSAIR	CMD32GX4M4A2800C15(Ver5.29)(XMP)	32GB ( 4x 8GB )	DS	-	-	2800-15-17-17-36	1.2	●	●	●
CORSAIR	CMD32GX4M4A2800C16(Ver5.29)(XMP)	32GB ( 4x 8GB )	DS	-	-	18-18-18-36	1.2	●	●	●
CORSAIR	CMK16GX4M4A2800C16(Ver4.23)(XMP)	16GB ( 4x 4GB )	SS	-	-	16-16-18-36	1.2	●	●	●
CORSAIR	CMK16GX4M4A2800C16(Ver5.29)	16GB ( 4x 4GB )	SS	-	-	16-18-18-36	1.2	●	●	●

<b>CORSAIR</b>	CMK32GX4M4A2800C16(Ver5.29)(XMP)	32GB ( 4x 8GB )	DS	-	-	16-18-18-36	1.2	●	●
<b>G.SKILL</b>	F4-2800C15Q2-64GRK(XMP)	64GB ( 8x 8GB )	DS	-	-	15-16-16-35	1.25	●	●
<b>G.SKILL</b>	F4-2800C16Q-16GRK(XMP)	16GB ( 4x 4GB )	SS	-	-	16-16-16-36	1.2	●	●
<b>G.SKILL</b>	F4-2800C16Q-16GRR(XMP)	16GB ( 4x 4GB )	SS	-	-	16-16-16-36	1.2	●	●
<b>G.SKILL</b>	F4-2800C16Q-32GRK(XMP)	32GB ( 4x 8GB )	DS	-	-	16-16-16-36	1.2	●	●
<b>G.SKILL</b>	F4-2800C16Q-32GRR(XMP)	32GB ( 4x 8GB )	DS	-	-	16-16-16-36	1.2	●	●
<b>Gell</b>	GPR416GB2800C16QC(XMP)	16GB ( 4x 4GB )	SS	-	-	16-16-16-36	1.2	●	●
<b>Gell</b>	GPR432GB2800C16QC(XMP)	32GB ( 4x 8GB )	DS	-	-	16-16-16-36	1.2	●	●
<b>Kingston</b>	HX428C14PBK4/16(XMP)	16GB ( 4x 4GB )	SS	-	-	14-15-15-40-2	1.35	●	●
<b>Kingston</b>	HX428C14PBK8/64(XMP)	64GB (8x 8GB )	DS	-	-	14-15-15-39	1.35	●	●
<b>Klevv</b>	IMA451U6MFR8N-DG0(Ver1.05)(XMP)	4GB	SS	-	-	16-16-16-36	1.2	●	●
<b>Panram</b>	PUD42800C164G4NJW(XMP)	16GB ( 4x 4GB )	SS	-	-	16-18-18-36	1.25	●	●

**DDR4 2666 Qualified Vendors List (QVL)**-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.

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>AVEXIR</b>	AVD4U26661504G-4CIR(XMP)	4GB	SS	-	-	15-15-15-35	1.2	●	●	●
<b>AVEXIR</b>	AVD4U26661608G-4CIR(XMP)	32GB ( 8x 4GB )	DS	-	-	16-16-16-36	1.2	●	●	●
<b>CORSAIR</b>	CMD128GX4M8A2666C15(Ver4.31)(XMP)	128GB (8x 16GB )	DS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMD16GX4M2A2666C15(Ver4.23)(XMP)	16GB ( 2x 8GB )	DS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMD16GX4M4A2666C15(Ver4.23)(XMP)	16GB ( 4x 4GB )	SS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMD16GX4M4A2666C16(Ver4.23)(XMP)	16GB ( 4x 4GB )	SS	-	-	16-18-18-35	1.2	●	●	●
<b>CORSAIR</b>	CMD16GX4M4A2666C16(Ver5.29)(XMP)	16GB ( 4x 4GB )	SS	-	-	16-18-18-35	1.2	●	●	●
<b>CORSAIR</b>	CMD32GX4M4A2666C15(Ver4.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMD32GX4M4A2666C15(Ver5.29)	32GB ( 4x 8GB )	DS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMD32GX4M4A2666C16(Ver4.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	16-18-18-35	1.2	●	●	●
<b>CORSAIR</b>	CMD64GX4M8A2666C15(Ver4.23)(XMP)	64GB ( 8x 8GB )	DS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMD8GX4M2A2666C15(Ver4.23)(XMP)	8GB ( 2x 4GB )	DS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMK16GX4M2A2666C16(Ver5.29)(XMP)	16GB ( 2x 8GB )	DS	-	-	16-18-18-35	1.2	●	●	●
<b>CORSAIR</b>	CMK16GX4M4A2666C15(Ver4.23)(XMP)	16GB ( 4x 4GB )	SS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMK16GX4M4A2666C15(Ver5.29)	16GB ( 4x 4GB )	SS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMK16GX4M4A2666C16(Ver4.23)(XMP)	16GB ( 4x 4GB )	SS	-	-	16-18-18-35	1.2	●	●	●
<b>CORSAIR</b>	CMK16GX4M4A2666C16(Ver5.29)(XMP)	16GB ( 4x 4GB )	SS	-	-	16-18-18-35	1.2	●	●	●
<b>CORSAIR</b>	CMK32GX4M2A2666C16(Ver4.31)(XMP)	32GB ( 2x 16GB )	DS	-	-	16-18-18-35	1.2	●	●	●
<b>CORSAIR</b>	CMK32GX4M4A2666C15(Ver4.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMK32GX4M4A2666C15(Ver5.29)(XMP)	32GB ( 4x 8GB )	DS	-	-	15-17-17-35	1.2	●	●	●
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver5.29)(XMP)	32GB ( 4x 8GB )	DS	-	-	16-16-18-35	1.2	●	●	●
<b>CORSAIR</b>	CMK32GX4M4A2666C16R(Ver4.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	16-18-18-35	1.2	●	●	●
<b>CORSAIR</b>	CMK64GX4M4A2666C16(Ver4.31)(XMP)	64GB ( 4x 16GB )	DS	-	-	16-18-18-35	1.2	●	●	●
<b>Crucial</b>	BLE4G4D26AFEA.8FAD (XMP)	8GB	SS	-	-	16-17-17-36	1.2	●	●	●
<b>Crucial</b>	BLE8G4D26AFEA.16FAD(XMP)	16GB	DS	-	-	16-17-17-36	1.2	●	●	●
<b>Crucial</b>	BLT4G4D26AFTA.8FADG(XMP)	4GB	SS	-	-	16-17-17-36	1.2	●	●	●

<b>Crucial</b>	BLT8G4D26AFTA.16FAD(XMP)	8GB	DS	-	-	16-17-17-36	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-16GRR(XMP)	16GB ( 4x 4GB )	SS	-	-	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-32GRR(XMP)	32GB ( 4x 8GB )	DS	-	-	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C16Q2-64GRB(XMP)	64GB ( 8x 8GB )	DS	-	-	16-16-16-36	1.2	•	•	•
<b>Kingston</b>	HX426C15FBK2/16	16GB ( 2x 8GB )	DS	-	-	15-15-17-35	1.2	•	•	•
<b>Kingston</b>	HX426C15FBK4/16	16GB ( 4x 4GB )	SS	-	-	15-17-17-35	1.2	•	•	•
<b>Kingston</b>	HX426C15FBK4/32	32GB ( 4x 8GB )	DS	-	-	2666-15-15-17-35	1.2	•	•	•
<b>Klevv</b>	KM4C4GX4N-2666-15-15-15-35-0 (XMP)	4GB	SS	-	-	15-15-15-35	1.2	•	•	•
<b>Klevv</b>	KM4C4GX4N-2666-15-15-15-35-1 (XMP)	4GB	SS	-	-	15-15-15-35	1.2	•	•	•
<b>Klevv</b>	KM4C8GX4N-2666-15-15-15-35-0 (XMP)	8GB	DS	-	-	15-15-15-35	1.2	•	•	•
<b>Klevv</b>	KM4C8GX4N-2666-15-15-15-35-1(XMP)	8GB	DS	-	-	15-15-15-35	1.2	•	•	•

**DDR4 2400 Qualified Vendors List (QVL)**-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.

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>ADATA</b>	AX4U2400W4G16-QRZ(XMP)	32GB ( 4x 8GB )	SS	-	-	16-16-16-39	1.2	•	•	•
<b>ADATA</b>	AX4U2400W8G16-QRZ(XMP)	32GB ( 4x 8GB )	DS	-	-	16-16-16-39	1.2	•	•	•
<b>Apacer</b>	78.B1GMS.4050B	4GB	SS	Samsung	K4A4G085WD	17-17-17-39	-	•	•	•
<b>Apacer</b>	78.C1GMS.4010B	8GB	DS	Samsung	K4A4G085WD	17-17-17-39	-	•	•	•
<b>AVEXIR</b>	AVD4U24001604G-4CIR(XMP)	4GB	SS	-	-	16-16-16-36	1.2	•	•	•
<b>AVEXIR</b>	AVD4U24001608G-4M	32GB (4x 8GB )	DS	SK Hynix	H5AN4G8NMFRFC	16-16-16-39	1.2	•	•	•
<b>AVEXIR</b>	AVD4U24001608G-4M(XMP)	32GB ( 8x 4GB )	DS	SK Hynix	H5AN4G8NMFRFC	16-16-16-36	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M4A2400C14(Ver4.23)(XMP)	16GB ( 4x 4GB )	SS	-	-	14-16-16-31	1.2	•	•	•
<b>CORSAIR</b>	CMD32GX4M4A2400C14(Ver4.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	14-16-16-31	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M4A2400C14(Ver4.23)(XMP)	16GB ( 4x 4GB )	SS	-	-	14-16-16-31	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2400C14(Ver4.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	14-16-16-31	1.2	•	•	•
<b>CORSAIR</b>	CMK64GX4M4A2400C14(Ver4.31)(XMP)	64GB ( 4x 16GB )	DS	-	-	14-16-16-31	1.2	•	•	•
<b>Crucial</b>	BLS4G4D240FSA.8FAD	4GB	SS	-	-	16-16-16-40	1.2	•	•	•
<b>crucial</b>	BLS4G4D240FSA.8FAR(XMP)	4GB	SS	-	-	16-16-16-40	1.2	•	•	•
<b>Crucial</b>	BLS8G4D240FSA.16FAD	8GB	DS	-	-	16-16-16-40	1.2	•	•	•
<b>crucial</b>	BLS8G4D240FSA.16FAR(XMP)	8GB	DS	-	-	16-16-16-40	1.2	•	•	•
<b>Foxteonn</b>	FEU8GN51208KC2400H	8GB	DS	Nanya	NT5AD512M8B1-FM	17-17-17-39	-	•	•	•
<b>G.SKILL</b>	F4-2400C15Q-16GRR	16GB ( 4x 4GB )	SS	-	-	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2400C15Q2-128GRK(XMP)	128GB ( 8x 16GB )	DS	-	-	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2400C15Q-32GRR	32GB ( 4x 8GB )	DS	-	-	15-15-15-35	1.2	•	•	•
<b>GelL</b>	GLR464GB2400C14QC(XMP)	16GB ( 4x 4GB )	DS	-	-	14-14-14-35	1.2	•	•	•
<b>GelL</b>	GPR416GB2400C15QC(XMP)	16GB ( 4x 4GB )	SS	-	-	15-15-15-35	1.2	•	•	•
<b>GelL</b>	GPR432GB2400C15QC(XMP)	32GB ( 4x 8GB )	DS	-	-	15-15-15-35	1.2	•	•	•
<b>Kingston</b>	HX424C12PB2K4/16	16GB ( 4x 4GB )	SS	-	-	12-13-13-35	1.2	•	•	•
<b>Kingston</b>	HX424C15FBK4/32	32GB ( 4x 8GB )	DS	-	-	15-15-15-35	1.2	•	•	•
<b>Panram</b>	PUD42400C154G4NJW	16GB ( 4x 4GB )	SS	-	-	15-15-15-35	1.2	•	•	•
<b>Panram</b>	PUD42400C158G4NJW	32GB ( 4x 8GB )	DS	-	-	15-15-15-35	1.2	•	•	•

<b>V-color</b>	TD4G8C17-UH	4GB	SS	V-color	DW3J0460HM	15-15-15-36	1.2	•	•	•
<b>V-color</b>	TD8G16C17-UH	8GB	DS	V-color	A4G8H-24CS	17-17-17-39	1.2	•	•	•

### 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
<b>ADATA</b>	AD4U2133W4G15-B	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	-	•	•	•
<b>ADATA</b>	AD4U2133W8G15	8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	1.2	•	•	•
<b>Apacer</b>	78.B1GM3.AF00B	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	1.2	•	•	•
<b>Apacer</b>	78.C1GM3.AF10B	8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	1.2	•	•	•
<b>AVEXIR</b>	AVD4U21331504G-4M	4GB	SS	AVEXIR	512X8DDR4	15-15-15-35	1.2	•	•	•
<b>CENTURY MICRO INC</b>	CD8G-D4U2133	8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	-	•	•	•
<b>CENTURY MICRO INC</b>	CK8GX4-D4U2133	32GB(4x8GB)	DS	SK hynix	H5AN4G8NMFRTFC	15-15-15-35	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M4B2133C10(Ver3.20)	16GB ( 4x 4GB )	SS	-	-	10-12-12-31	1.35	•	•	•
<b>CORSAIR</b>	CMK16GX4M4A2133C13(Ver4.23)(XMP)	16GB ( 4x 4GB )	SS	-	-	13-15-15-28	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2133C13(Ver4.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	13-15-15-28	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2133C15(Ver3.20)	32GB ( 4x 8GB )	DS	-	-	15-15-15-36	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2133C15(Ver5.29)	32GB ( 4x 8GB )	DS	-	-	15-15-15-36	1.2	•	•	•
<b>CORSAIR</b>	CMK64GX4M8A2133C13(Ver4.23)(XMP)	64GB ( 8x 8GB )	DS	-	-	13-15-15-28	1.2	•	•	•
<b>CORSAIR</b>	CMV4GX4M1A2133C15	4GB	SS	-	-	15-15-15-36	1.2	•	•	•
<b>CORSAIR</b>	CMV8GX4M1A2133C15	8GB	DS	-	-	15-15-15-36	1.2	•	•	•
<b>Crucial</b>	CT4G4DFS8213.8FA1	4GB	SS	Micron	D9RGQ	15-15-15-37	1.2	•	•	•
<b>Crucial</b>	CT4G4DFS8213.8FA2	4GB	SS	Micron	D9RGQ	2133-15-15-15-36	1.2	•	•	•
<b>Crucial</b>	CT8G4DFD8213.16FA1	8GB	DS	Micron	D9RGQ	15-15-15-37	1.2	•	•	•
<b>Crucial</b>	CT8G4DFD8213.16FA2	8GB	DS	Micron	D9RGQ	2133-15-15-15-36	1.2	•	•	•
<b>Crucial</b>	CT8G4DFD8213.C16FAR11	8GB	DS	Micron	C9BDH	15-15-15-36	1.2	•	•	•
<b>Foxteonn</b>	FEU4GN51208JC2133F	4GB	SS	Nanya	NT5AD512M8B1-FM	15-15-15-36	-	•	•	•
<b>G.SKILL</b>	F4-2133C15Q-16GRR	16GB ( 4x 4GB )	SS	-	-	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2133C15Q-32GRR	32GB ( 4x 8GB )	DS	-	-	15-15-15-35	-	•	•	•
<b>GeIL</b>	GPR416GB2133C15QC	16GB ( 4x4GB )	SS	-	-	2133-15-15-15-36	1.2	•	•	•
<b>Kingston</b>	KVR21N15D8/8	8GB	DS	SK hynix	H5AN4G8NMFRTFC	15-15-15-37	1.2	•	•	•
<b>Kingston</b>	KVR21N15S8/4	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	1.2	•	•	•
<b>Klevv</b>	KM4C4GX4N-2133-15-15-15-35-0	4GB	SS	-	-	15-15-15-35	1.2	•	•	•
<b>Klevv</b>	KM4C4GX4N-2133-15-15-15-35-1	4GB	SS	-	-	15-15-15-35	1.2	•	•	•
<b>Klevv</b>	KM4C8GX4N-2133-15-15-15-35-0	8GB	DS	-	-	15-15-15-35	1.2	•	•	•
<b>Klevv</b>	KM4C8GX4N-2133-15-15-15-35-1	8GB	DS	-	-	15-15-15-35	1.2	•	•	•
<b>Micron</b>	MTA16ATF1G64AZ-2G1A2	8GB	DS	Micron	D9RG0	2133-15-15-15-36	-	•	•	•
<b>Micron</b>	MTA8ATF51264AZ-2G1A2	4GB	SS	Micron	D9RG0	2133-15-15-15-36	-	•	•	•
<b>Panram</b>	PUD42133C134G4NJW	16GB ( 4x 4GB )	SS	-	-	13-13-13-35	1.2	•	•	•
<b>Panram</b>	PUD42133C138G4NJW	32GB ( 4x 8GB )	DS	-	-	13-13-13-35	1.2	•	•	•
<b>Panram</b>	PUD42133C154G2VS	8GB ( 2x 4GB )	SS	SK Hynix	H5AN4GBNMFRTFC	15-15-15-36	1.2	•	•	•
<b>panram</b>	PUD42133C154GNJK	4GB	SS	-	-	15-15-15-36	1.2	•	•	•

<b>Panram</b>	PUD42133C158G2VS	16GB ( 2x 8GB )	DS	SK Hynix	H5AN4GBNMFRTFC	15-15-15-36	1.2	●	●	●
<b>panram</b>	PUD42133C158GNJK	8GB	DS	-	-	15-15-15-36	1.2	●	●	●
<b>Samsung</b>	M378A1G43DB0-CPB	8GB	DS	Samsung	K4A4G085WD	15-15-15-36	-	●	●	●
<b>Samsung</b>	M378A5143DB0-CPB	4GB	SS	Samsung	K4A4G085WD	15-15-15-36	-	●	●	●
<b>SanMax</b>	SMD-4G28HP-21P	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	-	●	●	●
<b>SanMax</b>	SMD-8G28HP-21P	8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	-	●	●	●
<b>Silicon Power</b>	SP004GBLFU213N01	4GB	SS	Samsung	K4A4G085WD	15-15-15-37	-	●	●	●
<b>Silicon Power</b>	SP008GBLFU213N01	8GB	DS	Samsung	K4A4G085WD	15-15-15-37	-	●	●	●
<b>SK Hynix</b>	HMA82GU6MFR8N-TF	16GB	DS	SK Hynix	H5AN8G8NMFRTFC	15-15-15-36	-	●	●	●
<b>SUPER TALENT</b>	FBU2B008GM	8GB	DS	Micron	D9RGQ	15-15-15-36	1.2	●	●	●
<b>Team</b>	TED44GM2133C15ABK	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	1.2	●	●	●
<b>UMAX</b>	84G44G93MC-21OMCALGF15	4GB	SS	Micron	D9RGQ	15-15-15-36	-	●	●	●
<b>UMAX</b>	84G48G93MC-21OMCGNGF15	8GB	DS	Micron	D9RGQ	15-15-15-36	-	●	●	●

#### 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 the 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 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.

-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.

-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.

-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.

-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.