

## Z170-A Memory Qualified Vendors List (QVL)

### Z170-A Motherboard U-DIMM Qualified Vendors Lists (QVL)

#### DDR4 3466 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>G.SKILL</b>	F4-3466C16D-8GRK	8GB(4GB*2)	SS	Samsung	K4A4G085WD	16-18-18-38	1.35V		●	
<b>G.SKILL</b>	F4-3466C16D-8GTZ	8GB(4GB*2)	SS	Samsung	K4A4G085WD	16-18-18-38	1.35V		●	
<b>G.SKILL</b>	F4-3466C16D-8GVK	8GB(4GB*2)	SS	Samsung	K4A4G085WD	16-18-18-38	1.35V		●	

\*When running XMP at DDR4 3200 MHz or higher, the system's stability depends on the CPU's capabilities.

#### DDR4 3400 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>CORSAIR</b>	CMD16GX4M4B3400C16 ver. 4.23	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-18-18-38	1.35V		●	

\*When running XMP at DDR4 3200 MHz or higher, the system's stability depends on the CPU's capabilities.

#### DDR4 3333 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>G.SKILL</b>	F4-3333C16D-8GTZ	8GB(4GB*2)	SS	Samsung	K4A4G085WD	16-18-18-38	1.35V		●	
<b>G.SKILL</b>	F4-3333C16Q-16GRKD	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-16-16-36	1.35V		●	
<b>CORSAIR</b>	CMD16GX4M4B3333C16 ver4.23	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-18-18-36	1.35V		●	
<b>A-DATA</b>	AX4U3333W4G16	16GB(4GB*4)	SS	SK hynix	H5AN4G8NMFR	16-16-16-36	1.35V		●	

\*When running XMP at DDR4 3200 MHz or higher, the system's stability depends on the CPU's capabilities.

#### DDR4 3300 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>G.SKILL</b>	F4-3300C16Q-16GRK	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-16-16-36	1.35V		●	●
<b>G.SKILL</b>	F4-3300C16D-8GTZ	8GB(4GB*2)	SS	Samsung	K4A4G085WD	16-18-18-38	1.35V		●	
<b>CORSAIR</b>	CMD16GX4M4B3300C16	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-18-18-36	1.35V		●	

\*When running XMP at DDR4 3200 MHz or higher, the system's stability depends on the CPU's capabilities.

#### DDR4 3200 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>G.SKILL</b>	F4-3200C16Q-16GRR	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-16-16-36	1.35V		●	●
<b>G.SKILL</b>	F4-3200C16Q-16GRB	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-16-16-36	1.35V		●	●
<b>G.SKILL</b>	F4-3200C16Q-16GRK	16GB(4GB*4)	SS	Samsung	K4A4G085WD	16-16-16-36	1.35V		●	●
<b>AVEXIR</b>	AVD4U32001604G-4BZ1	16GB(4GB*4)	SS	SK hynix	H5AN4G8NMFR	16-18-18-36	1.35V		●	
<b>AVEXIR</b>	AVD4U32001604G-4CIR	16GB(4GB*4)	SS			16-18-18-36	1.35V		●	
<b>CORSAIR</b>	CMD16GX4M4A3200C16	16GB(4GB*4)	SS			16-18-18-36	1.35V		●	
<b>GEIL</b>	GPR416GB3200C15QC	16GB(4GB*4)	SS			15-15-15-35	1.35V		●	
<b>Kingston</b>	HX432C16PB2K4/16	16GB(4GB*4)	SS			16-16-16-39	1.35V		●	
<b>Panram</b>	PUD43200C164G4NJW	16GB(4GB*4)	SS			16-18-18-39	1.35V		●	

\*When running XMP at DDR4 3200 MHz or higher, the system's stability depends on the CPU's capabilities.

### 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
<b>G.SKILL</b>	F4-3000C15D-16GRR	16GB(8GB*2)	DS	Samsung	K4A4G085WD	15-15-15-35	1.35V	•		
<b>G.SKILL</b>	F4-3000C15D-16GRB	16GB(8GB*2)	DS	Samsung	K4A4G085WD	15-15-15-35	1.35V	•		
<b>G.SKILL</b>	F4-3000C15D-16GRK	16GB(8GB*2)	DS	Samsung	K4A4G085WD	15-15-15-35	1.35V	•		
<b>G.SKILL</b>	F4-3000C15Q-16GRR	16GB(4GB*4)	SS	Samsung	K4A4G085WD	15-15-15-35	1.35V	•	•	
<b>G.SKILL</b>	F4-3000C15Q-16GRB	16GB(4GB*4)	SS	Samsung	K4A4G085WD	15-15-15-35	1.35V	•	•	
<b>G.SKILL</b>	F4-3000C15Q-16GRK	16GB(4GB*4)	SS	Samsung	K4A4G085WD	15-15-15-35	1.35V	•	•	
<b>G.SKILL</b>	F4-3000C15Q2-32GRK	32GB(4GB*8)	SS	Samsung	K4A4G085WD	15-15-15-35	1.35V	•	•	
<b>G.SKILL</b>	F4-3000C15D-8GTZ	8GB(4GB*2)	SS	Samsung	K4A4G085WD	15-15-15-35	1.35V	•	•	
<b>GeIL</b>	GWW416GB3000C15DC	16GB (8GB*2)	DS	-	-	15-17-17-35	1.35V	•		
<b>AVEXIR</b>	AVD4U30001604G-4CI	16GB(4GB*4)	SS	SK hynix	H5AN4G8NMFR	16-18-18-36	1.35V	•	•	
<b>AVEXIR</b>	AVD4U30001504G-4BZ1	16GB(4GB*4)	SS	SK hynix	H5AN4G8NMFR	15-15-15-35	1.35V	•	•	
<b>Kingston</b>	HX430C15PB2K4/16	16GB(4GB*4)	SS			15-16-16-39	1.35V	•	•	
<b>Kingston</b>	HX430C16PBK4/64	64GB (16GB*4)	DS	-	-	16-16-16-39	1.35V	•	•	
<b>KLEVV</b>	IM44GU48A30-GIIHMC	4GB	SS	-	-	16-18-18-36	1.35v	•	•	
<b>CORSAIR</b>	CMD16GX4M4B3000C15	16GB(4GB*4)	SS	Samsung	K4A4G085WD	15-17-17-35	1.35V	•	•	
<b>CORSAIR</b>	CMK16GX4M4B3000C15	16GB(4GB*4)	SS	Samsung	K4A4G085WD	15-17-17-35	1.35V	•	•	
<b>CORSAIR</b>	CMD32GX4M4B3000C15(Ver4.23)	32GB (8GB*4)	DS	-	-	15-17-17-35	1.35V	•	•	
<b>Panram</b>	PUD43000C154G4NJW	16GB(4GB*4)	SS			15-17-17-35	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
<b>ADATA</b>	AX4U2800W4G17	32GB (4GB*8)	DS	-	-	17-17-17-36	1.2	•	•	•
<b>ADATA</b>	AX4U2800W8G17	8GB	DS	-	-	15-15-15-36	1.2	•	•	•
<b>ADATA</b>	AX4U2800316G16(XMP)	16GB	DS	-	-	16-16-16-36	1.2			•
<b>Apacer</b>	78.BAGM8.AF20B(XMP)	4GB	SS	-	-	17-17-17-36	-	•	•	•
<b>Apacer</b>	78.CAGM8.AF30B(XMP)	8GB	DS	-	-	17-17-17-36	-	•	•	•
<b>AVEXIR</b>	AVD4U28001504G-4CIR(XMP)	4GB	SS	-	-	15-15-15-35	1.35	•	•	•
<b>AVEXIR</b>	AVD4U28001608G-4CIR(XMP)	32GB (4GB*8)	DS	-	-	16-16-16-36	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M4A2800C16(Ver4.23)(XMP)	16GB (4GB*4)	SS	-	-	16-18-18-36	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M4A2800C16(Ver5.29)	16GB (4GB*4)	SS	-	-	16-18-18-36	1.2	•	•	•
<b>CORSAIR</b>	CMD32GX4M4A2800C16(Ver5.29)(XMP)	32GB (8GB*4)	DS	-	-	18-18-18-36	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M4A2800C16(Ver4.23)(XMP)	16GB (4GB*4)	SS	-	-	16-16-18-36	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M4A2800C16(Ver5.29)	16GB (4GB*4)	SS	-	-	16-18-18-36	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2800C16(Ver5.29)(XMP)	32GB (8GB*4)	DS	-	-	16-18-18-36	1.2	•	•	•
<b>CORSAIR</b>	CMD32GX4M4A2800C15(Ver5.29)	32GB (8GB*4)	DS	-	-	15-17-17-36	1.2	•	•	•
<b>G.SKILL</b>	F4-2800C15Q2-64GRK(XMP)	64GB (8GB*8)	DS	-	-	15-16-16-35	1.25	•	•	•
<b>G.SKILL</b>	F4-2800C16Q-16GRK(XMP)	16GB (4GB*4)	SS	-	-	16-16-16-36	1.2	•	•	
<b>G.SKILL</b>	F4-2800C16Q-16GRR(XMP)	16GB (4GB*4)	SS	-	-	16-16-16-36	1.2	•	•	
<b>G.SKILL</b>	F4-2800C16Q-32GRK(XMP)	32GB (8GB*4)	DS	-	-	16-16-16-36	1.2	•	•	•
<b>G.SKILL</b>	F4-2800C16Q-32GRR(XMP)	32GB (8GB*4)	DS	-	-	16-16-16-36	1.2	•	•	•
<b>GeIL</b>	GPR416GB2800C16QC(XMP)	16GB (4GB*4)	SS	-	-	16-16-16-36	1.2	•	•	•
<b>GeIL</b>	GPR432GB2800C16QC(XMP)	32GB (8GB*4)	DS	-	-	16-16-16-36	1.2	•	•	

<b>Kingston</b>	HX428C14PBK4/16(XMP)	16GB (4GB*4)	SS	-	-	14-15-15-40	1.35	•	•	•
<b>Kingston</b>	HX428C14PBK8/64(XMP)	64GB (8GB*8)	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 (4GB*4)	SS	-	-	16-18-18-36	1.25	•	•	•

### 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
<b>AVEXIR</b>	AVD4U26661504G-4CIR(XMP)	4GB	SS	-	-	15-15-15-35	1.2	•	•	•
<b>AVEXIR</b>	AVD4U26661608G-4CIR(XMP)	32GB (4GB*8)	DS	-	-	16-16-16-36	1.2	•	•	•
<b>CORSAIR</b>	CMD128GX4M8A2666C15(Ver4.31)(XMP)	128GB (16GB*8)	DS	-	-	15-17-17-35	1.2	•	•	
<b>CORSAIR</b>	CMD16GX4M2A2666C15(Ver4.23)(XMP)	16GB (8GB*2)	DS	-	-	15-17-17-35	1.2	•	•	
<b>CORSAIR</b>	CMD16GX4M4A2666C15(Ver4.23)(XMP)	16GB (4GB*4)	SS	-	-	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M4A2666C16(Ver4.23)(XMP)	16GB (4GB*4)	SS	-	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M4A2666C16(Ver5.29)(XMP)	16GB (4GB*4)	SS	-	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMD32GX4M4A2666C15(Ver4.23)(XMP)	32GB (8GB*4)	DS	-	-	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD32GX4M4A2666C15(Ver5.29)	32GB (8GB*4)	DS	-	-	15-17-17-35	1.2	•	•	
<b>CORSAIR</b>	CMD32GX4M4A2666C16(Ver4.23)(XMP)	32GB (8GB*4)	DS	-	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMD64GX4M8A2666C15(Ver4.23)(XMP)	64GB (8GB*8)	DS	-	-	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD8GX4M2A2666C15(Ver4.23)(XMP)	8GB (4GB*2)	DS	-	-	15-17-17-35	1.2	•	•	
<b>CORSAIR</b>	CMK16GX4M2A2666C16(Ver5.29)(XMP)	16GB (8GB*2)	DS	-	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK16GX4M4A2666C15(Ver4.23)(XMP)	16GB (4GB*4)	SS	-	-	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M4A2666C15(Ver5.29)	16GB (4GB*4)	SS	-	-	15-17-17-35	1.2	•	•	
<b>CORSAIR</b>	CMK16GX4M4A2666C16(Ver4.23)(XMP)	16GB (4GB*4)	SS	-	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK16GX4M4A2666C16(Ver5.29)(XMP)	16GB (4GB*4)	SS	-	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M2A2666C16(Ver4.31)(XMP)	32GB (16GB*2)	DS	-	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK32GX4M4A2666C15(Ver4.23)(XMP)	32GB (8GB*4)	DS	-	-	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C15(Ver5.29)(XMP)	32GB (8GB*4)	DS	-	-	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver5.29)(XMP)	32GB (8GB*4)	DS	-	-	16-16-18-35	1.2			•
<b>CORSAIR</b>	CMK32GX4M4A2666C16R(Ver4.23)(XMP)	32GB (8GB*4)	DS	-	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK64GX4M4A2666C16(Ver4.31)	64GB (16GB*4)	DS	-	-	16-18-18-36	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>G.SKILL</b>	F4-2666C15Q-16GRR(XMP)	16GB (4GB*4)	SS	-	-	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-32GRR(XMP)	32GB (8GB*4)	DS	-	-	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C16Q2-64GRB(XMP)	64GB (8GB*8)	DS	-	-	16-16-16-36	1.2	•	•	•
<b>Kingston</b>	HX426C15FBK4/16(XMP)	16GB (4GB*4)	SS	-	-	15-17-17-35	1.2	•	•	•
<b>Kingston</b>	HX426C15FBK2/16	16GB (8GB*2)	DS	-	-	15-15-17-35	1.2	•	•	
<b>Kingston</b>	HX426C15FBK4/32	32GB(8GB*4)	DS	-	-	15-15-17-35	1.2	•	•	•
<b>KLEVV</b>	KM4C8GX4N-2666-15-15-15-35-0	8GB	DS	-	-	15-15-15-35	1.2	•	•	•
<b>KLEVV</b>	KM4C4GX4N-2666-15-15-15-35-0	4GB	SS	-	-	15-15-15-35	1.2	•	•	•
<b>KLEVV</b>	KM4C8GX4N-2666-15-15-15-35-1	8GB	DS	-	-	15-15-15-35	1.2	•	•	•
<b>KLEVV</b>	KM4C4GX4N-2666-15-15-15-35-1	4GB	SS	-	-	15-15-15-35	1.2	•	•	•
<b>Team</b>	TCD44G2666C15ABK(XMP)	4GB	SS	Samsung	K4A4G085WD	15-15-15-35	1.2	•	•	•
<b>Team</b>	TCD48G2666C15ABK(XMP)	32GB(8GB*4)	DS	Team	TCD48G2666C15ABK	15-15-15-35	1.2	•	•	•

**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
<b>AVEXIR</b>	AVD4U24001604G-4CIR(XMP)	4GB	SS	-	-	16-16-16-36	1.2	●	●	●
<b>AVEXIR</b>	AVD4U24001608G-4M	32GB (4GB*8)	DS	SK Hynix	H5AN4G8NMFRFTFC	16-16-16-39	1.2	●	●	●
<b>AVEXIR</b>	AVD4U24001608G-4M(XMP)	32GB (8GB*4)	DS	SK Hynix	H5AN4G8NMFRFTFC	16-16-16-36	1.2	●	●	●
<b>ADATA</b>	AX4U2400W4G16-QRZ(XMP)	32GB (8GB*4)	SS	-	-	16-16-16-39	1.2	●	●	●
<b>ADATA</b>	AX4U2400W8G16-QRZ(XMP)	32GB (8GB*4)	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>CORSAIR</b>	CMD16GX4M4A2400C14(Ver4.23)(XMP)	16GB (4GB*4)	SS	-	-	14-16-16-31	1.2	●	●	●
<b>CORSAIR</b>	CMD32GX4M4A2400C14(Ver4.23)(XMP)	32GB (8GB*4)	DS	-	-	14-16-16-31	1.2	●	●	●
<b>CORSAIR</b>	CMK16GX4M4A2400C14(Ver4.23)(XMP)	16GB (4GB*4)	SS	-	-	14-16-16-31	1.2	●	●	●
<b>CORSAIR</b>	CMK32GX4M4A2400C14(Ver4.23)(XMP)	32GB (8GB*4)	DS	-	-	14-16-16-31	1.2	●	●	●
<b>CORSAIR</b>	CMK64GX4M4A2400C14(Ver4.31)	64GB (16GB*4)	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	-	-	17-16-16-39	1.2	●	●	●
<b>Crucial</b>	BLS8G4D240FSA.16FAD	8GB	DS	-	-	16-16-16-40	1.2	●	●	●
<b>Crucial</b>	BLS8G4D240FSA.16FAR(XMP)	8GB	DS	-	-	17-16-16-39	1.2	●	●	●
<b>Crucial</b>	BLS8G4D240FSA.16FADG	16GB (8GB*2)	DS	-	-	16-16-16-39	1.2	●	●	●
<b>Foxteonn</b>	FEU8GN51208KC2400H	8GB	DS	Nanya	NT5AD512M8B1-FM	17-17-17-39	1.2	●	●	●
<b>G.SKILL</b>	F4-2400C15Q-16GRR	16GB (4GB*4)	SS	-	-	15-15-15-35	1.2	●	●	●
<b>G.SKILL</b>	F4-2400C15Q2-128GRK(XMP)	128GB (16GB*8)	DS	-	-	15-15-15-35	1.2	●	●	●
<b>G.SKILL</b>	F4-2400C15Q-32GRR	32GB (8GB*4)	DS	-	-	15-15-15-35	1.2	●	●	●
<b>GeIL</b>	GLR464GB2400C14QC(XMP)	16GB (4GB*4)	DS	-	-	14-14-14-35	1.2	●	●	●
<b>GeIL</b>	GPR416GB2400C15QC(XMP)	16GB (4GB*4)	SS	-	-	15-15-15-35	1.2	●	●	●
<b>GeIL</b>	GPR432GB2400C15QC(XMP)	32GB (8GB*4)	DS	-	-	15-15-15-35	1.2	●	●	●
<b>Kingston</b>	HX424C12PB2K4/16	16GB (4GB*4)	SS	-	-	15-15-15-36	1.2	●	●	●
<b>Kingston</b>	HX424C15FBK4/32	32GB (8GB*4)	DS	-	-	15-15-15-35	1.2	●	●	●
<b>Panram</b>	PUD42400C154G4NJW	16GB (4GB*4)	SS	-	-	15-15-15-35	1.2	●	●	●
<b>Panram</b>	PUD42400C158G4NJW	32GB (8GB*4)	DS	-	-	15-15-15-35	1.2	●	●	●
<b>Team</b>	TED44GM2400C16BK	4GB	SS	Samsung	K4A4G085WD	16-16-16-39	1.2	●	●	●
<b>Team</b>	TED48GM2400C16BK	8GB	DS	Samsung	K4A4G085WD	16-16-16-39	1.2	●	●	●
<b>V-color</b>	TD8G16C17-UH	8GB	DS	V-color	A4G8H-24CS	17-17-17-39	1.2	●	●	●
<b>V-color</b>	TD4G8C17-UH	4GB	SS	V-color	DW3J0460HM	15-15-15-36	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	H5AN4G8NMFRFTFC	15-15-15-36	1.2	●	●	●
<b>ADATA</b>	AD4U2133W8G15	8GB	DS	SK Hynix	H5AN4G8NMFRFTFC	15-15-15-36	1.2	●	●	●
<b>Apacer</b>	78.B1GM3.AF00B	4GB	SS	SK Hynix	H5AN4G8NMFRFTFC	15-15-15-36	1.2	●	●	●
<b>Apacer</b>	78.C1GM3.AF10B	8GB	DS	SK Hynix	H5AN4G8NMFRFTFC	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	H5AN4G8NMFRFTFC	15-15-15-36	1.2	●	●	●
<b>CENTURY MICRO INC</b>	CK8GX4-D4U2133	32GB(8GB*4)	DS	SK hynix	H5AN4G8NMFRFTFC	15-15-15-35	1.2	●	●	●

<b>CORSAIR</b>	CMD16GX4M4B2133C10(Ver3.20)	16GB (4GB*4)	SS	-	-	10-12-12-31	1.35	•	•	
<b>CORSAIR</b>	CMK16GX4M4A2133C13(Ver4.23)(XMP)	16GB (4GB*4)	SS	-	-	13-15-15-28	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2133C13(Ver4.23)(XMP)	32GB (8GB*4)	DS	-	-	13-15-15-28	1.2	•	•	•
<b>CORSAIR</b>	CMK64GX4M8A2133C13(Ver4.23)(XMP)	64GB (8GB*8)	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>CORSAIR</b>	CMK32GX4M4A2133C15(Ver5.29)	32GB (8GB*4)	DS	-	-	15-15-15-36	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2133C15(Ver3.20)	32GB (8GB*4)	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>	CT8G4DFD8213.16FA1	8GB	DS	Micron	D9RGQ	15-15-15-37	1.2	•	•	•
<b>Crucial</b>	CT8G4DFD8213.C16FAD11	16GB (8GB*2)	DS	Micron		15-15-15-37	1.2	•	•	•
<b>Foxteonn</b>	FEU4GN51208JC2133F	4GB	SS	Nanya	NT5AD512M8B1-FM	15-15-15-37	1.2	•	•	•
<b>G.SKILL</b>	F4-2133C15Q-16GRR	16GB (4GB*4)	SS	-	-	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2133C15Q-32GRR	32GB (8GB*4)	DS	-	-	15-15-15-35	1.2	•	•	•
<b>GelL</b>	GPR416GB2133C15QC	16GB (4GB*4)	SS	-	-	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>	KM4C8GX4N-2133-15-15-15-35-0	8GB	DS	-	-	15-15-15-35	1.2	•	•	•
<b>KLEVV</b>	KM4C4GX4N-2133-15-15-15-35-0	4GB	SS	-	-	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>KLEVV</b>	KM4C4GX4N-2133-15-15-15-35-1	4GB	SS	-	-	15-15-15-35	1.2	•	•	•
<b>Micron</b>	MTA16ATF1G64AZ-2G1A2	8GB	DS	Micron	D9RGQ	15-15-15-37	1.2	•	•	•
<b>Micron</b>	MTA8ATF51264AZ-2G1A2	4GB	SS	Micron	D9RGQ	15-15-15-37	1.2	•	•	•
<b>Panram</b>	PUD42133C134G4NJW	16GB (4GB*4)	SS	-	-	13-13-13-35	1.2	•	•	•
<b>Panram</b>	PUD42133C138G4NJW	32GB (8GB*4)	DS	-	-	13-13-13-35	1.2	•	•	•
<b>Panram</b>	PUD42133C154G2VS	8GB (4GB*2)	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 (8GB*2)	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	1.2	•	•	•
<b>Samsung</b>	M378A5143DB0-CPB	4GB	SS	Samsung	K4A4G085WD	15-15-15-36	1.2	•	•	•
<b>SanMax</b>	SMD-4G28HP-21P	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	1.2	•	•	•
<b>SanMax</b>	SMD-8G28HP-21P	8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	1.2	•	•	•
<b>SK Hynix</b>	HMA82GU6MFR8N-TF	16GB	DS	SK Hynix	H5AN8G8NMFRTFC	15-15-15-36	1.2	•	•	•
<b>SK Hynix</b>	HMA41GU6MFR8N-TF	8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	1.2	•	•	•
<b>SK Hynix</b>	HMA451U6MFR8N	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	1.2	•	•	•
<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>Transcend</b>	TS1GLH64V1H	8GB	DS	Samsung	K4A4G085WD	15-15-15-37	1.2	•	•	•
<b>Transcend</b>	TS512MLH64V1H	4GB	SS	Samsung	K4A4G085WD	15-15-15-37	1.2	•	•	•
<b>UMAX</b>	84G44G93MC-21OMCALGF15	4GB	SS	Micron	D9RGQ	15-15-15-36	1.2	•	•	•
<b>UMAX</b>	84G48G93MC-21OMCGNGF15	8GB	DS	Micron	D9RGQ	15-15-15-36	1.2	•	•	•

#### 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\*4-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

-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.

-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.

-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.