

Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)			
							1 DIMM	2 DIMM	4 DIMM	
HyperX	HX424C15FBK4/32(XMP)	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.2	•	•	•
HyperX	HX424C15FBK4/64(XMP)	64GB (4x 16GB)	DS	-	-	15-15-15-35	1.2	•	•	•
Kingston	KVR24N17D8/16	16GB	DS	Micron	D9SRJ	17-17-17-39	1.2	•	•	•
Kingston	KVR24N17D8/8	8GB	DS	Micron	D9TGG	17-17-17-39	1.2	•	•	•
Kingston	KVR24N17S8/4	4GB	SS	Micron	D9TGG	17-17-17-39	1.2	•	•	•
Micron	MTA16ATF2G64AZ-2G3B1	16GB	DS	Micron	D9TBH	17-17-17-39	1.2	•	•	•
Micron	MTA8ATF1G64AZ-2G3B1	8GB	SS	-	-	17-17-17-39	1.2	•	•	•
SK Hynix	HMA81GU6AFR8N-UH	8GB	SS	SK Hynix	H5AN8GBNAFRUHC	17-17-17-39	-	•	•	•
SK Hynix	HMA82GU6AFR8N-UH	16GB	DS	SK Hynix	H5AN8GBNAFRUHC	17-17-17-39	-	•	•	•
SK Hynix	HMA851U6AFR8N-UH	4GB	SS	SK Hynix	H5AN8GBNAFRUHC	17-17-17-39	-	•	•	•
Team	TCD48G2400C14BK(XMP)	4GB	SS	SK Hynix	H5AN4GBNAFRUHC	14-16-16-31	1.2	•	•	•
Team	TED416G2400C16BK	16GB	DS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•	•
Team	TED48G2400C16BK	8GB	DS	Team	T4D5128HT-24	16-16-16-39	1.2	•	•	•
V-color	TC48G24S817-IMS	8GB	SS	-	-	17-17-17-39	1.2	•	•	•
V-color	TD48G17-UH	4GB	SS	V-color	DW3J0460HM	15-15-15-36	1.2	•	•	•
V-color	TD8G16C17-UH	8GB	DS	V-color	A4G8H-24CS	17-17-17-39	1.2	•	•	•
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	
AVEXIR	AVD4UZ126661516G-2IPROG(XMP)	32GB (2x16GB)	DS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661516G-2DRDROG(XMP)	32GB (2x16GB)	DS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661516G-4IPROG(XMP)	64GB (4x16GB)	DS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661516G-4DRDROG(XMP)	64GB (4x16GB)	DS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661504G-2IPROG(XMP)	8GB (2x4GB)	DS	Samsung	512X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661504G-2DRDROG(XMP)	8GB (2x4GB)	DS	Samsung	512X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661504G-4IPROG(XMP)	16GB (4x 4GB)	DS	Samsung	512X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661504G-4DRDROG(XMP)	16GB (4x 4GB)	DS	Samsung	512X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661508G-2IPROG(XMP)	16GB (2x8GB)	SS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661508G-2DRDROG(XMP)	16GB (2x8GB)	SS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661508G-4IPROG(XMP)	32B (4x8GB)	SS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661508G-4DRDROG(XMP)	32B (4x8GB)	SS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661504G-2RD(XMP)	8GB (2x4GB)	DS	Samsung	512X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661504G-2RDGT(XMP)	8GB (2x4GB)	DS	Samsung	512X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661504G-4RD(XMP)	16GB (4x 4GB)	DS	Samsung	512X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661504G-4RDGT(XMP)	16GB (4x 4GB)	DS	Samsung	512X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661508G-2RD(XMP)	16GB (2x8GB)	SS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661508G-2RDGT(XMP)	16GB (2x8GB)	SS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661508G-4RD(XMP)	32B (4x8GB)	SS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
AVEXIR	AVD4UZ126661508G-4RDGT(XMP)	32B (4x8GB)	SS	Samsung	1024X8DDR4	15-15-15-35	1.2	•	•	•
CORSAIR	CMD128GX4M4A2666C15(Ver.4.31)(XMP)	128GB (8x 16GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMD16GX4M4A2666C15(Ver.4.23)(XMP)	16GB (2x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMD16GX4M4A2666C15(Ver.4.23)(XMP)	16GB (4x 4GB)	SS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMD16GX4M4A2666C16(Ver.4.23)(XMP)	16GB (4x 4GB)	SS	-	-	16-18-18-35	1.2	•	•	•
CORSAIR	CMD16GX4M4A2666C16(Ver.5.29)(XMP)	16GB (4x 4GB)	SS	-	-	16-18-18-35	1.2	•	•	•
CORSAIR	CMD32GX4M4A2666C15(Ver.4.23)(XMP)	32GB (4x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMD32GX4M4A2666C15(Ver.5.29)	32GB (4x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMD32GX4M4A2666C16(Ver.4.23)(XMP)	32GB (4x 8GB)	DS	-	-	16-18-18-35	1.2	•	•	•
CORSAIR	CMD64GX4M8A2666C15(Ver.4.23)(XMP)	64GB (8x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMD64GX4M8A2666C15(Ver.4.24)(XMP)	64GB (8x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMD64GX4M8A2666C15(Ver.4.23)(XMP)	64GB (8x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMD64GX4M8A2666C16(Ver.4.23)(XMP)	64GB (8x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMK16GX4M2A2666C16(Ver.5.29)(XMP)	16GB (2x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMK16GX4M2A2666C16(Ver.5.29)(XMP)	16GB (2x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMK16GX4M2A2666C16(Ver.5.29)(XMP)	16GB (2x 8GB)	DS	-	-	16-18-18-35	1.2	•	•	•
CORSAIR	CMK16GX4M4A2666C15(Ver.4.23)(XMP)	16GB (4x 4GB)	SS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMK16GX4M4A2666C15(Ver.5.29)(XMP)	16GB (4x 4GB)	SS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMK16GX4M4A2666C16(Ver.4.23)(XMP)	16GB (4x 4GB)	SS	-	-	16-18-18-35	1.2	•	•	•
CORSAIR	CMK16GX4M4A2666C16(Ver.5.29)(XMP)	16GB (4x 4GB)	SS	-	-	16-18-18-35	1.2	•	•	•
CORSAIR	CMK32GX4M2A2666C16(Ver.4.31)(XMP)	32GB (2x 16GB)	DS	-	-	16-18-18-35	1.2	•	•	•
CORSAIR	CMK32GX4M2A2666C16R(Ver.3.11)(XMP)	32GB (2x 16GB)	DS	-	-	16-18-18-35	1.2	•	•	•
CORSAIR	CMK32GX4M4A2666C15(Ver.4.23)(XMP)	32GB (4x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMK32GX4M4A2666C15(Ver.5.29)(XMP)	32GB (4x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
CORSAIR	CMK32GX4M4A2666C16(Ver.4.23)(XMP)	32GB (4x 8GB)	DS	-	-	16-18-18-35	1.2	•	•	•
CORSAIR	CMK32GX4M4A2666C16R(Ver.4.23)(XMP)	32GB (4x 8GB)	DS	-	-	16-18-18-35	1.2	•	•	•
CORSAIR	CMK64GX4M4A2666C16(Ver.4.31)(XMP)	64GB (4x 16GB)	DS	-	-	16-18-18-35	1.2	•	•	•
Crucial	BLE4G4D26AFAEA.8FAD (XMP)	4GB	SS	-	-	16-17-17-36	1.2	•	•	•
Crucial	BLT4G4D26AFTA.8FADG(XMP)	16GB (4x4GB)	SS	-	-	16-17-17-36	1.2	•	•	•
Crucial	BLT4G4D26AFTA.8FADG(XMP)	4GB	SS	-	-	16-17-17-36	1.2	•	•	•
Crucial	BLT8G4D26AFTA.16FAD(XMP)	32GB (4x 8GB)	DS	-	-	16-17-17-36	1.2	•	•	•
Crucial	BLT8G4D26AFTA.16FAD(XMP)	8GB	DS	-	-	16-17-17-36	1.2	•	•	•
G.SKILL	F4-2666C15Q-16GRR(XMP)	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-16GVR	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-16GVK	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-16GVG	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-16GVK	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-16GVS	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-16GRK	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-16GRB	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-32GRR(XMP)	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-32GVR	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-32GVB	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-32GVG	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-32GVK	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-32GVS	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-32GRK	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C15Q-32GRB	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2666C18Q2-128GVR	128GB (8x 16GB)	DS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2666C18Q2-128GVK(XMP)	128GB (8x 16GB)	DS	-	-	16-16-16-36	1.2	•	•	•
HyperX	HX426C13SB2/8(XMP)	4GB	SS	-	-	13-15-15-39	1.35	•	•	•
HyperX	HX426C13SB2/16(XMP)	8GB	SS	-	-	13-15-15-39	1.35	•	•	•
HyperX	HX426C13SB2K2/16(XMP)	16GB (2x 8GB)	DS	Nanya	NT5AD512M8B1-GN	13-15-15-39	1.35	•	•	•
HyperX	HX426C13SB2K2/8(XMP)	8GB (2x 4GB)	SS	-	-	13-15-15-39	1.35	•	•	•
HyperX	HX426C13SB2K4/16(XMP)	16GB (4x 4GB)	SS	-	-	13-15-15-39	1.35	•	•	•
HyperX	HX426C13SB2K4/32(XMP)	32GB (4x 8GB)	DS	-	-	13-15-15-39	1.35	•	•	•
HyperX	HX426C13SB2K4/32(XMP)	32GB (4x 8GB)	DS	Nanya	NT5AD512M8B1-GN	13-15-15-39	1.35	•	•	•
HyperX	HX426C15FB/4(XMP)	4GB	SS	-	-	15-17-17-35	1.2	•	•	•
HyperX	HX426C15FB/8	8GB	DS	-	-	15-17-17-35	1.2	•	•	•
HyperX	HX426C15FB/8(XMP)	8GB	DS	-	-	15-17-17-35	1.2	•	•	•
HyperX	HX426C15FBK2/16	16GB (2x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
HyperX	HX426C15FBK2/16(XMP)	16GB (2x 8GB)	DS	-	-	15-17-17-35	1.2	•	•	•
HyperX	HX426C15FBK2/8(XMP)	8GB (2x 4GB)	SS	-	-	15-17-17-35	1.2	•	•	•
HyperX	HX426C15FBK4/16(XMP)	16GB (4x 4GB)								

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
ADATA	AX4U28003G17-5BF(XMP)	8GB	SS	-	-	17-17-17-36	1.2	•	•	•
ADATA	AX4U2800W4G17-BRZ(XMP)	4GB	SS	-	-	17-17-17-36	1.2	•	•	•
ADATA	AX4U2800W8G15(XMP)	8GB	DS	-	-	15-16-16-35	1.25	•	•	•
ADATA	AX4U2800W8G17-BRZ(XMP)	8GB	DS	-	-	17-17-17-36	1.2	•	•	•
Apacer	78.BAGM8.AF208(XMP)	16GB (4x 4GB)	SS	-	-	17-17-17-36	-	•	•	•
Apacer	78.CAGM8.AF308(XMP)	32GB (4x 8GB)	DS	-	-	17-17-17-36	-	•	•	•
Apacer	AHU08GB30C1E7H1(EK.16GAW.KFAK2)	8GB	DS	Apacer	-	17-17-17-36	1.2	•	•	•
Apacer	AHU08GB28CEU6H(EK.16GAW.GFAK2)	16GB (2x 8GB)	SS	Apacer	-	17-17-17-36	1.2	•	•	•
Apacer	AHU08GB28CEU5H(EK.16GAW.GFBK2)	16GB (2x 8GB)	SS	Apacer	-	17-17-17-36	1.2	•	•	•
AVEXIR	AVD4U2128001504G-2B21RR	8GB (2x4GB)	SS	AVEXIR	512X8DDR4	15-15-15-35	1.35	•	•	•
AVEXIR	AVD4U2128001504G-2B21SW	8GB (2x4GB)	SS	AVEXIR	512X8DDR4	15-15-15-35	1.35	•	•	•
AVEXIR	AVD4U2128001504G-4B21RR	8GB (4x4GB)	SS	AVEXIR	512X8DDR4	15-15-15-35	1.35	•	•	•
AVEXIR	AVD4U2128001504G-4B21SW	8GB (4x4GB)	SS	AVEXIR	512X8DDR4	15-15-15-35	1.35	•	•	•
AVEXIR	AVD4U2128001504G-2RD	8GB (2x4GB)	SS	AVEXIR	512X8DDR4	15-15-15-35	1.35	•	•	•
AVEXIR	AVD4U2128001504G-2RDGT	8GB (2x4GB)	SS	AVEXIR	512X8DDR4	15-15-15-35	1.35	•	•	•
AVEXIR	AVD4U2128001504G-4RD	16GB (4x4GB)	SS	AVEXIR	512X8DDR4	15-15-15-35	1.35	•	•	•
AVEXIR	AVD4U2128001504G-4RDGT	16GB (4x4GB)	SS	AVEXIR	512X8DDR4	15-15-15-35	1.35	•	•	•
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	-	-	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	•	•	•
CORSAIR	CMK64GX4M8B2800C14(Ver4.24)(XMP)	64GB (8x 8GB)	DS	-	-	14-16-16-36	1.35	•	•	•
G.SKILL	F4-2800C14Q-64GVG	64GB (8x 8GB)	DS	-	-	14-14-14-35	1.35	•	•	•
G.SKILL	F4-2800C14Q-64GVB	64GB (8x 8GB)	DS	-	-	14-14-14-35	1.35	•	•	•
G.SKILL	F4-2800C14Q-64GVB	64GB (8x 8GB)	DS	-	-	14-14-14-35	1.35	•	•	•
G.SKILL	F4-2800C14Q-64GVK(XMP)	64GB (8x 8GB)	DS	-	-	14-14-14-35	1.35	•	•	•
G.SKILL	F4-2800C15Q2-128GRKD(XMP)	128GB (16x 8GB)	DS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-2800C15Q2-64GRK(XMP)	64GB (8x 8GB)	DS	-	-	15-16-16-35	1.25	•	•	•
G.SKILL	F4-2800C15Q2-64GRK(XMP)	64GB (8x 8GB)	DS	-	-	15-16-16-35	1.25	•	•	•
G.SKILL	F4-2800C16Q-16GVV	16GB (4x 4GB)	SS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-16GVV	16GB (4x 4GB)	SS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-16GVK	16GB (4x 4GB)	SS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-16GVG	16GB (4x 4GB)	SS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-16GVS	16GB (4x 4GB)	SS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-16GRK(XMP)	16GB (4x 4GB)	SS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-16GRR(XMP)	16GB (4x 4GB)	SS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GVR	32GB (4x 8GB)	DS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GVV	32GB (4x 8GB)	DS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GVK	32GB (4x 8GB)	DS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GVV	32GB (4x 8GB)	DS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GVS	32GB (4x 8GB)	DS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GRK(XMP)	32GB (4x 8GB)	DS	-	-	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GRR(XMP)	32GB (4x 8GB)	DS	-	-	16-16-16-36	1.2	•	•	•
Gelil	GPR416GB2800C16C(XMP)	16GB (4x 4GB)	SS	-	-	16-16-16-36	1.2	•	•	•
Gelil	GPR432GB2800C16C(XMP)	32GB (4x 8GB)	DS	-	-	16-16-16-36	1.2	•	•	•
HyperX	HX428C14SB24(XMP)	4GB	SS	-	-	14-16-16-39	1.35	•	•	•
HyperX	HX428C14SB28(XMP)	8GB	DS	-	-	14-16-16-39	1.35	•	•	•
HyperX	HX428C14SB2K216(XMP)	16GB (2x 8GB)	DS	-	-	14-16-16-39	1.35	•	•	•
HyperX	HX428C14SB2K28(XMP)	8GB (2x 4GB)	SS	-	-	14-16-16-39	1.35	•	•	•
HyperX	HX428C14SB2K432(XMP)	32GB (4x 8GB)	DS	-	-	14-16-16-39	1.35	•	•	•
Team	TCD44G2800C16ABK(XMP)	4GB	SS	SK Hynix	H5AN4GBNAFRTFC	16-16-16-36	1.2	•	•	•
Team	TCD48G2800C16ABK(XMP)	8GB	SS	Team	T4D1024BHT-30	16-16-16-36	1.2	•	•	•

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
ADATA	AX4U3000W4G16-BWZ(XMP)	4GB	SS	-	-	16-16-16-36	1.35	•	•	•
ADATA	AX4U3000W8G16-BWZ(XMP)	8GB	DS	-	-	16-16-16-36	1.35	•	•	•
Apacer	EK.16GAW.KFBK2(XMP)	8GB	DS	-	-	16-16-16-36	-	•	•	•
Apacer	AHU08GB30C1E7H1(EK.16GAW.GEAK2)	16GB (2x 8GB)	SS	Apacer	-	16-16-16-36	1.35	•	•	•
Apacer	AHU08GB30C1E7H1(EK.16GAW.GEBK2)	16GB (2x 8GB)	SS	Apacer	-	16-16-16-36	1.35	•	•	•
AVEXIR	AVD4U30001504G-4C1R(XMP)	16GB (4x 4GB)	DS	AVEXIR	512X8DDR4	15-15-15-35	1.35	•	•	•
AVEXIR	AVD4U30001608G-4C1R(XMP)	32GB (4x 8GB)	DS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001604G-4RD(XMP)	16GB (4x 4GB)	SS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001608G-4RD(XMP)	32GB (4x 8GB)	SS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001604G-2B21RR	8GB (2x4GB)	SS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001604G-2B21SW	8GB (2x4GB)	SS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001604G-2B21SW	8GB (2x4GB)	SS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001604G-2RD	8GB (2x4GB)	SS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001604G-2RDGT	8GB (2x4GB)	SS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001604G-4B21RR	16GB (4x4GB)	SS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001604G-4B21SW	16GB (4x4GB)	SS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001604G-4RDGT	16GB (4x4GB)	SS	AVEXIR	512X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001608G-2B21RR	8GB (2x4GB)	SS	AVEXIR	1024X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001608G-2B21SW	8GB (2x4GB)	SS	AVEXIR	1024X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001608G-2RD	8GB (2x4GB)	SS	AVEXIR	1024X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001608G-2RDGT	8GB (2x4GB)	SS	AVEXIR	1024X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001608G-4B21RR	16GB (4x4GB)	SS	AVEXIR	1024X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001608G-4B21SW	16GB (4x4GB)	SS	AVEXIR	1024X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001608G-4RD	16GB (4x4GB)	SS	AVEXIR	1024X8DDR4	16-18-18-36	1.35	•	•	•
AVEXIR	AVD4U2130001608G-4RDGT	16GB (4x4GB)	SS	AVEXIR	1024X8DDR4	16-18-18-36	1.35	•	•	•
CORSAIR	CMD16GX4M4B3000C15(Ver5.29)(XMP)	16GB (4x 4GB)	DS	-	-	15-17-17-35	1.35	•	•	•
CORSAIR	CMK16GX4M4B3000C15(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	CMK32GX4M2B3000C15(Ver5.29)(XMP)	32GB (2x 16GB)	DS	-	-	15-17-17-35	1.35	•	•	•
CORSAIR	CMK16GX4M2C3000C15(Ver3.21)(XMP)	16GB (2x 8GB)	DS	-	-	15-17-17-35	1.35	•	•	•
G.SKILL	F4-3000C14Q2-128GVRD	128GB (16x 8GB)	DS	-	-	14-14-14-34	1.35	•	•	•
G.SKILL	F4-3000C14Q2-128GVKD	128GB (16x 8GB)	DS	-	-	14-14-14-34	1.35	•	•	•
G.SKILL	F4-3000C14Q2-128GVK(XMP)	128GB (16x 8GB)	DS	-	-	14-14-14-34	1.35	•	•	•
G.SKILL	F4-3000C15D-8GTVB	8GB (2x 4GB)	SS	-	-	15-16-16-35	1.35	•	•	•
G.SKILL	F4-3000C15D-8GTVB	8GB (2x 4GB)	SS	-	-	15-16-16-35	1.35	•	•	•
G.SKILL	F4-3000C15D-8GTVB(XMP)	8GB (2x 4GB)	SS	-	-	15-16-16-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-16GTZ	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-16GVV	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-16GVV	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-16GVK	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-16GVV	16GB (4x 4GB)	SS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-16GVV	16GB (4x 4GB)	SS	-	-	15-15-15-35	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-32GTZ	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-32GVR	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-32GVV	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-32GVK	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-32GVV	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.35	•	•	•

G.SKILL	F4-3000C15Q-32GV5	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C15Q-32GRK(XMP)	32GB (4x 8GB)	DS	-	-	15-15-15-35	1.35	•	•	•
G.SKILL	F4-3000C16Q-128GVK(XMP)	128GB (8x 16GB)	DS	-	-	16-18-18-38	1.35	•	•	•
Gell	GLR416B3000C16QC(XMP)	16GB (4x 4GB)	SS	-	-	16-16-16-36	1.35	•	•	•
Gell	GWW416B3000C15DC(XMP)	16GB (2x 8GB)	DS	Gell	CG4L512G88BA093L	15-17-17-35	1.35	•	•	•
HyperX	HX430C15PB3K2/16(XMP)	16GB (2x 8GB)	SS	-	-	15-17-17-36	1.35	•	•	•
HyperX	HX430C15PB3K2/32(XMP)	32GB (2x 16GB)	DS	-	-	15-17-17-36	1.35	•	•	•
HyperX	HX430C15PB3K2/8(XMP)	8GB (2x 4GB)	SS	-	-	15-17-17-36	1.35	•	•	•
HyperX	HX430C15PB3K4/16(XMP)	16GB (4x 4GB)	SS	-	-	15-17-17-36	1.35	•	•	•
HyperX	HX430C15PB3K4/32(XMP)	32GB (4x 8GB)	SS	-	-	15-17-17-36	1.35	•	•	•
HyperX	HX430C15PB3K4/8(XMP)	8GB (2x 4GB)	SS	-	-	15-17-17-36	1.35	•	•	•
HyperX	HX430C15SB2/4(XMP)	4GB	DS	-	-	15-17-17-39	1.35	•	•	•
HyperX	HX430C15SB2/8(XMP)	8GB	DS	-	-	15-17-17-39	1.35	•	•	•
HyperX	HX430C15SB2K2/16(XMP)	16GB (2x 8GB)	DS	-	-	15-17-17-39	1.35	•	•	•
HyperX	HX430C15SB2K2/8(XMP)	8GB (2x 4GB)	SS	-	-	15-17-17-39	1.35	•	•	•
HyperX	HX430C15SB2K4/16(XMP)	16GB (4x 4GB)	SS	-	-	15-17-17-39	1.35	•	•	•
HyperX	HX430C15SB2K4/32(XMP)	32GB (4x 8GB)	DS	-	-	15-17-17-39	1.35	•	•	•
HyperX	HX430C16PBK4/4(XMP)	4GB (1x 4GB)	DS	-	-	16-16-16-39	1.35	•	•	•
Klevv	IM44GU48A30-GIIHMC(XMP)	4GB	SS	-	-	16-18-18-36	1.35	•	•	•
Klevv	IM48GU48A30-GIIHMC(XMP)	8GB	DS	-	-	16-18-18-36	1.35	•	•	•
PATRIOT	PV432G3000C60K-PE000378(XMP)	32GB (4x 8GB)	DS	-	-	16-16-16-36	1.35	•	•	•
Team	TCD48G3000C15ABK(XMP)	8GB	DS	SK hynix	H5AN4G8NMFRTFC	15-15-15-35	1.35	•	•	•
Team	TCD48G3000C16ABK(XMP)	8GB	SS	SK Hynix	H5AN8GBNMFURHC	16-16-16-36	1.35	•	•	•

DDR4 3200 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								2 DIMM	4 DIMM	
G.SKILL	F4-3200C16D-8GRK	8GB(4GB*2)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3200C16D-8GTZ	8GB(4GB*2)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3200C16D-8GVK	8GB(4GB*2)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3200C16Q-16GRR	16GB(4GB*4)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3200C16Q-16GRB	16GB(4GB*4)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3200C16Q-16GRKD	16GB(4GB*4)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3200C16Q-16GTZ	16GB(4GB*4)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3200C16Q-16GVK	16GB(4GB*4)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3200C16D-16GVK	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16D-16GVGB	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16D-16GTZLG	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16D-16GTZLQ	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16D-16GTZB	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16D-16GTZKW	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16D-16GTZKY	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16D-16GTZKO	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16D-16GTZSW	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C15D-16GVK	16GB(8GB*2)	SS	-	-	15-15-15-35	1.35V	•	•	•
G.SKILL	F4-3200C15D-16GTZ	16GB(8GB*2)	SS	-	-	15-15-15-35	1.35V	•	•	•
G.SKILL	F4-3200C15D-16GTZKW	16GB(8GB*2)	SS	-	-	15-15-15-35	1.35V	•	•	•
G.SKILL	F4-3200C15D-16GTZKY	16GB(8GB*2)	SS	-	-	15-15-15-35	1.35V	•	•	•
G.SKILL	F4-3200C15D-16GTZKO	16GB(8GB*2)	SS	-	-	15-15-15-35	1.35V	•	•	•
G.SKILL	F4-3200C15D-16GTZSW	16GB(8GB*2)	SS	-	-	15-15-15-35	1.35V	•	•	•
G.SKILL	F4-3200C14D-16GVK	16GB(8GB*2)	SS	-	-	14-14-14-34	1.35V	•	•	•
G.SKILL	F4-3200C14D-16GVK	16GB(8GB*2)	SS	-	-	14-14-14-34	1.35V	•	•	•
G.SKILL	F4-3200C14D-16GTZ	16GB(8GB*2)	SS	-	-	14-14-14-34	1.35V	•	•	•
G.SKILL	F4-3200C14D-16GTZKW	16GB(8GB*2)	SS	-	-	14-14-14-34	1.35V	•	•	•
G.SKILL	F4-3200C14D-16GTZKY	16GB(8GB*2)	SS	-	-	14-14-14-34	1.35V	•	•	•
G.SKILL	F4-3200C14D-16GTZKO	16GB(8GB*2)	SS	-	-	14-14-14-34	1.35V	•	•	•
G.SKILL	F4-3200C14D-16GTZSW	16GB(8GB*2)	SS	-	-	14-14-14-34	1.35V	•	•	•
G.SKILL	F4-3200C16Q-32GTZK	32GB(8GB*4)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16Q-32GTZKB	32GB(8GB*4)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16Q-32GTZKZ	32GB(8GB*4)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16Q-32GTZKW	32GB(8GB*4)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16Q-32GTZKY	32GB(8GB*4)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16Q-32GTZKO	32GB(8GB*4)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C16Q-32GTZSW	32GB(8GB*4)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3200C15Q-32GVR	32GB(8GB*4)	SS	-	-	15-15-15-35	1.35V	•	•	•
G.SKILL	F4-3200C15Q-32GVK	32GB(8GB*4)	SS	-	-	15-15-15-35	1.35V	•	•	•
G.SKILL	F4-3200C15Q-32GTZ	32GB(8GB*4)	SS	-	-	15-15-15-35	1.35V	•	•	•
G.SKILL	F4-3200C15Q-32GTZSW	32GB(8GB*4)	SS	-	-	15-15-15-35	1.35V	•	•	•
G.SKILL	F4-3200C14Q-32GVR	32GB(8GB*4)	SS	-	-	14-14-14-34	1.35V	•	•	•
G.SKILL	F4-3200C14Q-32GVK	32GB(8GB*4)	SS	-	-	14-14-14-34	1.35V	•	•	•
G.SKILL	F4-3200C14Q-32GTZ	32GB(8GB*4)	SS	-	-	14-14-14-34	1.35V	•	•	•
G.SKILL	F4-3200C14Q-32GTZSW	32GB(8GB*4)	SS	-	-	14-14-14-34	1.35V	•	•	•
CORSAIR	CMK8GX4M2B3200C16 ver4.24	8GB(4GB*2)	SS	samsung	K4A4G085WD	16-16-16-36	1.35V	•	•	•
CORSAIR	CMDBGX4M2B3200C16 ver4.24	8GB(4GB*2)	SS	samsung	K4A4G085WD	16-18-18-36	1.35V	•	•	•
CORSAIR	CMDBGX4M2B3200C14 ver4.24	8GB(4GB*2)	SS	-	-	14-16-16-35	1.35V	•	•	•
CORSAIR	CMU16GX4M2C3200C16 ver5.39	16GB(8GB*2)	SS	-	-	16-18-18-36	1.35V	•	•	•
CORSAIR	CMD16GX4M4B3200C15 ver4.24	16GB(4GB*4)	SS	-	-	15-17-17-35	1.35V	•	•	•
CORSAIR	CMD16GX4M4B3200C16 ver4.24	16GB(4GB*4)	SS	-	-	16-18-18-36	1.35V	•	•	•
CORSAIR	CMD16GX4M4B3200C14 ver4.24	16GB(4GB*4)	SS	-	-	14-16-16-35	1.35V	•	•	•
CORSAIR	CMK16GX4M4B3200C16 ver4.24	16GB(4GB*4)	SS	-	-	16-18-18-36	1.35V	•	•	•
CORSAIR	CMK16GX4M4B3200C15 ver4.24	16GB(4GB*4)	SS	-	-	15-17-17-35	1.35V	•	•	•
CORSAIR	CMK16GX4M4C3200C15 ver4.24	16GB(4GB*4)	SS	-	-	15-17-17-35	1.35V	•	•	•
CORSAIR	CMK16GX4M4B3200C14 ver4.24	16GB(4GB*4)	SS	-	-	14-16-16-35	1.35V	•	•	•
CORSAIR	CMU32GX4M4C3200C16 ver5.39	32GB(8GB*4)	SS	-	-	16-18-18-36	1.35V	•	•	•
KINGSTON	HX432C16PB3K4/16	16GB(4GB*4)	SS	-	-	16-18-18-36	1.35V	•	•	•
KINGSTON	HX432C16PB3K4/32	32GB(8GB*4)	SS	-	-	16-18-18-36	1.35V	•	•	•

DDR4 3300 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								2 DIMM	4 DIMM	
G.SKILL	F4-3300C16Q-16GRK	16GB(4GB*4)	SS	samsung	K4A4G085WD	16-16-16-36	1.35V	•	•	•
CORSAIR	CMD16GX4M4B3300C16	16GB(4GB*4)	SS	samsung	K4A4G085WD	16-18-18-36	1.35V	•	•	•

DDR4 3333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								2 DIMM	4 DIMM	
G.SKILL	F4-3333C16D-16GRKD	16GB(4GB*4)	SS	samsung	-	16-18-18-36	1.35V	•	•	•
G.SKILL	F4-3333C16D-16GVR	16GB(8GB*2)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3333C16D-16GVK	16GB(8GB*2)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3333C16D-16GTZ	16GB(8GB*2)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3333C16D-16GTZB	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3333C16D-16GTZKW	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3333C16D-16GTZSW	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3333C16D-16GTZSK	16GB(8GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3333C16Q-32GVR	32GB(8GB*4)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3333C16Q-32GVK	32GB(8GB*4)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3333C16Q-32GTZ	32GB(8GB*4)	SS	-	-	16-16-16-36	1.35V	•	•	•
G.SKILL	F4-3333C16Q-32GTZB	32GB(8GB*4)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3333C16Q-32GTZSW	32GB(8GB*4)	SS	-	-	16-18-18-38	1.35V	•	•	•
CORSAIR	CMD16GX4M4B3333C16 ver4.24	16GB(4GB*4)	SS	-	-	16-18-18-36	1.35V	•	•	•
CORSAIR	CMK16GX4M4B3333C16 ver4.24	16GB(4GB*4)	SS	-	-	16-18-18-36	1.35V	•	•	•
KINGSTON	HX433C16PB3K2/16	16GB(8GB*2)	SS	-	-	16-18-18-36	1.35V	•	•	•

DDR4 3400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								2 DIMM	4 DIMM	
A-DATA	AX4U3400W4G16-BRZ	4GB	SS	-	-	16-17-17-36	1.35V	•	•	•

DDR4 3466 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								2 DIMM	4 DIMM	
G.SKILL	F4-3466C16D-8GRK	8GB(4GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3466C16D-8GTZ	8GB(4GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3466C16D-8GVK	8GB(4GB*2)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3466C16Q-16GRK	16GB(4GB*4)	SS	-	-	16-18-18-38	1.35V	•	•	•
G.SKILL	F4-3466C16D-16G									

G.SKILL	F4-3466C16D-16GTZSK	16GB(8GB*2)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-16GVK	16GB(4GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-32GVR	32GB(8GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-32GVK	32GB(8GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-32GTZ	32GB(8GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-32GTZSW	32GB(8GB*4)	SS			16-18-18-38	1.35V	•	•
CORSAIR	CMD16GX4M4B3466C16 ver4.24	16GB(4GB*4)	SS			16-18-18-36	1.35V	•	•
CORSAIR	CMK16GX4M4B3466C16 ver4.24	16GB(4GB*4)	SS			16-18-18-36	1.35V	•	•

DDR4 3600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-3600C17D-8GRK	8GB(4GB*2)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17D-8GTZ	8GB(4GB*2)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17D-8GVK	8GB(4GB*2)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17D-16GVK	16GB(8GB*2)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17D-16GTZ	16GB(8GB*2)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C16D-16GVK	16GB(8GB*2)	SS			16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16D-16GTZ	16GB(8GB*2)	SS			16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C15D-16GTZ	16GB(8GB*2)	SS			15-15-15-35	1.35V	•	•
G.SKILL	F4-3600C17Q-16GVK	16GB(4GB*4)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17Q-16GRK	16GB(4GB*4)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17Q-16GTZ	16GB(4GB*4)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17Q-32GVK	32GB(8GB*4)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17Q-32GTZ	32GB(8GB*4)	SS			17-18-18-38	1.35V	•	•
G.SKILL	F4-3600C17Q-32GTZA	32GB(8GB*4)	SS			17-17-17-37	1.35V	•	•
G.SKILL	F4-3600C16Q-32GTZB	32GB(8GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3600C16Q-32GTZSVB	32GB(8GB*4)	SS			16-18-18-38	1.35V	•	•
G.SKILL	F4-3600C16Q-32GTZBKW	32GB(8GB*4)	SS			16-18-18-38	1.35V	•	•
CORSAIR	CMD8GX4M2B3600C18 ver4.24	8GB(4GB*2)	SS			18-19-19-39	1.35V	•	•
CORSAIR	CMK8GX4M2B3600C18 ver4.24	8GB(4GB*2)	SS			18-19-19-39	1.35V	•	•
CORSAIR	CMK16GX4M2B3600C18 ver4.31	16GB(8GB*2)	SS			18-19-19-39	1.35V	•	•
CORSAIR	CMD16GX4M4B3600C18 ver4.24	16GB(4GB*4)	SS			18-19-19-39	1.35V	•	•
CORSAIR	CMK16GX4M4B3600C18 ver4.24	16GB(4GB*4)	SS			18-19-19-39	1.35V	•	•

DDR4 3733 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-3733C17D-8GRK	8GB(4GB*2)	SS			17-19-19-39	1.35V	•	•
G.SKILL	F4-3733C17D-8GTZ	8GB(4GB*2)	SS			17-19-19-39	1.35V	•	•
G.SKILL	F4-3733C17D-8GVK	8GB(4GB*2)	SS			17-19-19-39	1.35V	•	•
G.SKILL	F4-3733C17D-16GTZ	16GB(8GB*2)	SS			17-19-19-39	1.35V	•	•
G.SKILL	F4-3733C17Q-16GRK	16GB(4GB*4)	SS			17-19-19-39	1.35V	•	•
G.SKILL	F4-3733C17Q-16GTZ	16GB(4GB*4)	SS			17-19-19-39	1.35V	•	•
G.SKILL	F4-3733C17Q-16GVK	16GB(4GB*4)	SS			17-19-19-39	1.35V	•	•
G.SKILL	F4-3733C17D-16GTZ	16GB(8GB*2)	SS			17-19-19-39	1.35V	•	•
G.SKILL	F4-3733C17D-16GTZA	16GB(8GB*2)	SS			17-17-17-37	1.35V	•	•
G.SKILL	F4-3733C17Q-32GTZ	32GB(8GB*4)	SS			18-18-18-38	1.35V	•	•
G.SKILL	F4-3733C17Q-32GTZSW	32GB(8GB*4)	SS			18-18-18-38	1.35V	•	•
G.SKILL	F4-3733C17Q-32GTZKW	32GB(8GB*4)	SS			18-18-18-38	1.35V	•	•
CORSAIR	CMD8GX4M2B3733C17 ver4.24	8GB(4GB*2)	SS			17-19-19-39	1.35V	•	•
CORSAIR	CMK8GX4M2B3733C17 ver4.24	8GB(4GB*2)	SS			17-19-19-39	1.35V	•	•

DDR4 3866 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-3866C17D-8GRK	8GB(4GB*2)	SS			18-22-22-42	1.35V	•	•
G.SKILL	F4-3866C17D-8GVK	8GB(4GB*2)	SS			18-22-22-42	1.35V	•	•
G.SKILL	F4-3866C17D-8GTZ	8GB(4GB*2)	SS			18-22-22-42	1.35V	•	•
G.SKILL	F4-3866C17Q-16GRK	16GB(4GB*4)	SS			18-22-22-42	1.35V	•	•
G.SKILL	F4-3866C17Q-16GVK	16GB(4GB*4)	SS			18-22-22-42	1.35V	•	•
G.SKILL	F4-3866C17Q-16GTZ	16GB(4GB*4)	SS			18-22-22-42	1.35V	•	•

4 DIMM Slots

For each DRAM channel (A,B), make sure to install the DRAM module to be slot first.

- 1 DIMM: Supports one (1) module inserted into any slot as Single-channel memory configuration. Install the module into the **A2** slot for better compatibility.
- 2 DIMMs: Supports two (2) modules inserted into one pair of slots as one pair of Dual-channel memory configuration. Install the modules into slots **A2** and **B2** for better compatibility.
- 4 DIMMs: Supports 4 modules inserted into all 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.

- 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.

- DIMM fan design may vary, make sure the fan can fit into the motherboard.