

ROG STRIX B360-I DRAM QVL

DDR4 2133 Qualified Vendors List (QVL)									
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	MM socket support (Optional)	
								1 DIMM	2 DIMM 4 DIMM
SAMSUNG	M378A143DB0-CPB	4G	SS	SEC 428 BCPB	K4A4G085WD	15-15-15-36	1.2V	•	•
	M378A1G42DB0-CPB	8G	DS	SEC 428 BCPB	K4A4G085WD	15-15-15-36	1.2V	•	•
G.SKILL	F4-2133C15Q-32GRK	32GB (8GB*4)	DS	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	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
PANRAM	PUD42133C138G4NJW	32GB (8GB*4)	DS	N/A	Heat-Sink Package	13-13-13-35	1.2V	•	•
PANRAM	PUD42133C134G4NJW	16GB (4GB*4)	SS	N/A	Heat-Sink Package	13-13-13-35	1.2V	•	•
CORSAIR	CMK16GX4M4A2133E16V14 23	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
CRUCIAL	MT8ATF5128AAZ-2G1A1	4G	SS	MICRON	4QA77D9RCQ	15-15-15-36	1.2V	•	•
CORSAIR	CMV4GX4M1A2133C15	4G	SS	N/A	4GA7729RGR	15-15-15-36	1.2V	•	•
CORSAIR	CMV8GX4M1A2133C15	8G	DS	SEC 446 BCPB	K4A4G085WD	15-15-15-36	1.2V	•	•
KINGSTON	HX421C14FB/8	8G	DS	N/A	Heat-Sink Package	14-14-14-35	1.2V	•	•
APACER	78.C1GM3 AF108	8G	DS	SK HYNIX	H5AN4G8NMFR	16-16-16-36	1.2V	•	•
KINGSTON	HX421C138R4J/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
KINGSTON	KVR21N155B/8	8G	DS	SK HYNIX	H5AN4G8NAFR	15-15-15-36	1.2V	•	•
GALAXY	GAM4DBLBM2133D15E041C	4G	DS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
GALAXY	GAM4DBLBM213315E081C	8G	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
AVEXIR	AVD4U21331508G-1C08	8G	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
CORSAIR	CMK16GX4M4A2133C13 (V85.29)	16GB (4GB*4)	SS	N/A	Heat-Sink Package	13-15-15-28	1.2V	•	•
GEIL	GPR48G2133C15DC	8GB (4GB*2)	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
KINGSTON	HX421C14FBK4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package	14-14-14-35	1.2V	•	•
TEKISM	T4U21338G15-SAD	8G	DS	SEC 446 BCPB	K4A4G085WD	15-15-15-36	1.2V	•	•
G.SKILL	F4-2133C15Q-16GRB	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
CENTURY	PC4-17000	8G	DS	SK HYNIX	H5AN4G8NMFR	15-15-15-36	1.2V	•	•
KINGSTON	KVR21N155B/4	4G	SS	SK HYNIX	H5AN4G8NMFR	15-15-15-36	1.2V	•	•
SAMSUNG	M393A1G40DB-CPBQ (ECC)	8G	DS	SEC 540 BCPB	K4A4G085WD				
ADATA	AX4U2133W4G15-OR2	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
TEAM	TD48GM2133C15BK	8G	DS	SK HYNIX	H5AN4G8NMFR	15-15-15-36	1.2V	•	•
CUSO	PC4-17000	4G	SS	CUSO	512X8DDR4	15-15-15-35	1.2V		
Transcend	TS1GLH72V1H (ECC)	8G	DS	SEC552	K4A4G085W8BCPB				
ADATA	AD4U2133W8G15-B	128GB(16x 8G)	DS	SK HYNIX	H5AN4G8NAFR			•	•
CRUCIAL	CT8G4DFD8213.16FA11	32GB (8GB*4)	DS	MICRO	5CA77D9RGO		1.2V	•	•
KINGSTON	KVR21E153B/4	4GB	SS	SK HYNIX	H5AN4G8NAFR		1.2V	•	•
G.SKILL	F4-2133C15S-4GNT	4G	SS	G.SKILL	D4 512M8GE15	15-15-15-35	1.2V	•	•
G.SKILL	F4-2133C15S-8GNT	8G	DS	G.SKILL	D4 512M8GE15	15-15-15-35	1.2V	•	•
TEAM	TPAD44G2133HC15BK	4G	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
APACER	AHU08GGB13CGT7G	8G	DS	N/A	Heat-Sink Package			•	•
ASINT	SLB404G08-CCNB 1615	8G	DS	SK HYNIX	H5AN4G8NMFR			•	•
PATRIOT	P5D48G2133Z	8G	DS	PAIROT	PMS12M804BU-083			•	•
APACER	AU08GGB13CDT8GC	8G	DS	APACER	AM6F6008T1HSA11550F			•	•
SAMSUNG	M378A1K43BB1-CPB	8G	SS	SEC 610	K4A8C085WBBCPB			•	•
KINGSTON	HX421C14FB2/8	8G	SS	N/A	Heat-Sink Package		1.2V	•	•
KINGSTON	HX421C14FBK2/8	8GB (4GB*2)	SS	N/A	Heat-Sink Package		1.2V	•	•
KINGSTON	HX421C14FB/4	4G	SS	N/A	Heat-Sink Package		1.2V	•	•
V-COLOR	TC48G21S815-MS	32GB(8GB*4)	SS	V-COLOR	N/A		1.2V	•	•
TEAM	TD48G2133C15BK	16G	DS	TEAM	T4D10248KT-21	15-15-15-36	1.2V	•	•
TIGO	TMKUBGFS8-2133P	8G	DS	N/A	PPE08-093TP		1.2V	•	•
SAMSUNG	M378A5143EB1-CPB	4GB	SS	SEC 637	E8G2250WP	15-15-15-36	1.2V	•	•
SAMSUNG	M378A5143EB1-CPB	4GB	SS	SEC 607	E8K4089YC	15-15-15-36	1.2V	•	•
TEAM	TD48G2133C15BK	8GB	SS	TEAM	T4D10248KT-21	15-15-15-36	1.2V	•	•
ANUCELL	GRPIF1621033818594	8GB	DS	ANUCELL	P4P4CF38LF-GMT	16-16-16-35	1.2V	•	•
GALAXY	GALAXYBLM213315E081C	8GB	SS	GALAXY	GAAL1GMB8BA093H	15-15-15-36	1.2V	•	•
TIGO	TMKUBG88-2133P	8GB	SS		PP020-093E TP	15-15-15-36	1.2V		
Xiede	1.2V-PC4-17000-1620	4GB	SS	MICON	6GA77D9RGO	15-15-15-36	1.2V	•	•
Xiede	1.2V-PC4-17000-1620	8GB	DS	SK HYNIX	H5AN4G8NMFR	15-15-15-36	1.2V	•	•
V-COLOR	TC48G21S815	8GB	SS	V-COLOR	TMCB134HA3	15-15-15-36	1.2V	•	•
V-COLOR	TC48G21S815-MS	8GB	SS	V-COLOR	E0510	15-15-15-36	1.2V	•	•
SAMSUNG	M378A2K43BB1CPB	16G	DS	SEC510	K4A8G085WBBCPB		1.2V	•	•
G.SKILL	F4-2133C15Q-32GR	8G*4	SS	N/A	Heat-Sink Package	15-15-15-35	1.20V	•	•
G.SKILL	F4-2133C15Q2-84GR	8G*8	SS	N/A	Heat-Sink Package	15-15-15-35	1.20V	•	•
CRUCIAL	CT16G4DFD8213.C16FAD1	16G	DS	MICON	6NA47C9BGD		1.2V	•	•
CRUCIAL	CT8G4DFD8213.C16FDR2	8G	DS	MICON	6UD75C9BHB		1.2V	•	•
CRUCIAL	CT4G4DF8213.C8FBD2	4G	SS	MICON	6SB45C9BHC		1.2V	•	•
GEIL	GFY48GB2133C15DC	4G	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
Klevv	IM48GU88N21-FFFFHMB	8GB	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
Klevv	IM44GU88N21-FFFFHMB	4GB	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
Klevv	IM44GU88N21-FFFFHMB	16GB	DS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
PATRIOT	PVE48G213C4GY	8G	SS	N/A	Heat-Sink Package		1.2V		
GEIL	GPR432GB2133C15QC	8G	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
SK HYNIX	HMA451U6AFR8N-TF	16GB(4*4GB)	SS	SK HYNIX	H5AN4G8NAFR	15-15-15-36	1.2V	•	•
GLOWAY	STK4U2133015041C PC4-17000	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
G.SKILL	F4-2133C15Q-40GRX	64GB(4*16GB)	DS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
G.SKILL	F4-2133C15Q-32GRX	32GB (4x 8GB)	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
G.SKILL	F4-2133C15S-8GDB	8GB	SS	G.SKILL	D4 1GM8GDDP	15-15-15-35	1.35V	•	
AVANT	AWW645U67J5213N3-SAEP	4GB	SS	SEC 549	K4A4G08	15-15-15-36	1.20V	•	•
AVANT	AWW641GU67J5213N2-SAEP	8GB	DS	SEC 549	K4A4G08	15-15-15-36	1.20V	•	•
AVANT	AWW642GU42J5213N2-SAEP	16GB	DS	SEC 549	K4A8G08	15-15-15-36	1.20V	•	•
Sinmax	SM64U4G288E-2AP	4GB	SS	SEC 549	K4A4G08	15-15-15-36	1.20V		
CRUCIAL	CT16G4DFD8213.C16FH1	16GB	DS	N/A	Heat-Sink Package	15-15-15-36	1.20V	•	•
ADATA	AD4U213338G15-B	64GB(8x 8GB)	SS	N/A	PP020-093E TP	15-15-15-36	1.20V	•	•
ADATA	AD4U2133W4G15-BP	32GB(8x 4GB)	SS	N/A	PP022-093E TP	15-15-15-36	1.20V	•	•
Ramsta	R2DD4N04G2133	4G	SS	Micron	8	15-15-15-35	1.20V		
Ramsta	R2DD4N08G2133	8GB	SS	Micron	8	15-15-15-36	1.20V	•	•
APACER	AU16GGB13CDYBGC	16GB	DS	APACER	AM6F6308MHSA1	15-15-15-36	1.20V	•	•
silicon power	SP004GBLFU213N02	4GB	SS	silicon power	4N4083HABE 1723V	15-15-15-36	1.20V	•	•
TEKISM	T4U21338G15-HYM	16GB (2x 8GB)	DS	Skhyinx	H5AN4G8NMFR	15-15-15-36	1.20V	•	•
TIGO	TMKU4G456-2133P	4GB	SS	TIGO	TG2133P55116 NST-C17	15-15-15-36	1.20V	•	•
HYUNDAI	HYE16G21C15	16GB	SS	SK HYNIX	2GX8DDR4 K1646	15-15-15-35	1.20V	•	•
HYUNDAI	HYE9G21C15	8GB	SS	SK HYNIX	E512M85EQBA26M	15-15-15-35	1.20V		

DDR4 2666 Qualified Vendors List (QVL)					
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.
G.SKILL	F4-2666C15Q-16GRR	16GB (4GB*4)	SS	N/A	Heat-Sink Package
PATRIOT	PX416G266C5QK	16GB (4GB*4)	SS	N/A	Heat-Sink Package
KINGSTON	HX426C15FBK4/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package
CRUCIAL	BLE8G4D26AFE.16FAD	8G	DS	N/A	Heat-Sink Package
PATRIOT	PV416G266C5QK	16GB (4GB*4)	SS	N/A	Heat-Sink Package
CORSAIR	CMK64GX4M4A2666C16 (Ver5.3)	64GB(16GB*4)	DS	N/A	Heat-Sink Package
ADATA	AX4U266638G16-DRZ	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
ADATA	AX4U2666W8G16-QRZ	32GB (4x 8GB)	DS	N/A	Heat-Sink Package
crucial	BLS8G4D26BFSC.16FBR2	8GB	DS	N/A	Heat-Sink Package
Team	TPD416G2666HC19BK	16GB	DS	N/A	Heat-Sink Package

Timing	Voltage	MM socket support (Optional)	
15-15-15-35	1.2V	•	
15-15-15-35	1.2V	•	•
15-17-17-35	1.2V	•	•
16-17-17-36	1.2V	•	•
15-15-15-35	1.2V	•	
16-18-18-35	1.2V	•	•
16-16-16-39	1.2V	•	•
16-16-16-39	1.2V	•	•
16-18-18-38	1.20V	•	•
19-19-19-43	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	4 DIMM
CORSAIR	CMK16GX4M4A2800C16(Ver5.29)	16GB (4GB*4)	SS	N/A	Heat-Sink Package	16-18-18-36	1.2V	•	•	
KINGSTON	HX428C14PB2K4/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36-50	1.35V	•	•	
PATRIOT	PX416G280C6QK	16GB (4GB*4)	SS	N/A	Heat-Sink Package	16-18-18-36	1.2V	•	•	
PANRAM	PUD42800C164G4NJW	16GB (4GB*4)	SS	N/A	Heat-Sink Package	16-18-18-36	1.25V	•	•	
MUSHKIN	994207F	16GB (4GB*4)	SS	N/A	Heat-Sink Package	16-16-16-36	1.2V	•	•	
KINGSTON	HX428C14PBK4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-36-50	1.35V	•	•	
AVEXIR	AVD4UZ128001604G-4COB	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36-51	1.2V	•	•	
AVEXIR	AVD4UZ128001608G-4COB	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-36-51	1.2V	•	•	
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	•	•	
TEAM	TDGED48G2800HC16ABK	16GB (8GB*2)	SS	N/A	Heat-Sink Package	16-16-16-36	1.2V	•	•	
PATRIOT	PV416G280C6QK	16GB (4GB*4)	SS	N/A	Heat-Sink Package	16-18-18-36	1.2V	•	•	
ADATA	Digital Storm	8G	DS	SK HYNIX	HMA54G8NAFR			•	•	
G.SKILL	F4-2800C16D-16GRR	8G*2	SS	N/A	Heat-Sink Package		1.2V	•	•	
ADATA	AX4U280038G17-SBF	8GB*8	SS	N/A	Heat-Sink Package	18-17-17-36	1.2V	•	•	
ADATA	AX4U2800316G16-SBF	16GB	DS	N/A	Heat-Sink Package	17-16-16-36	1.2V	•	•	
CORSAIR	CMD32GX4M4A2800C16 (Ver5.20)	8G	DS	N/A	Heat-Sink Package	16-18-18-36	1.2V	•	•	
G.SKILL	F4-2800C14Q-64GVK	16G*4	DS	N/A	Heat-Sink Package	14-14-14-35	1.35V	•	•	
G.SKILL	F4-2800C16Q-32GVR	8G*4	SS	N/A	Heat-Sink Package	16-16-16-36	1.20V	•	•	
AVEXIR	AVD4UZ128001504G-4BZ1RR	4G*4	SS	N/A	Heat-Sink Package		1.35V	•	•	
AVEXIR	AVD4UZ128001508G-4BZ1RR	8G*4	DS	N/A	Heat-Sink Package		1.35V		•	
CORSAIR	CMD16GX4M4A2800C16(Ver3.21)	16GB(4*4GB)	SS	N/A	Heat-Sink Package	16-18-18-36	1.2V	•	•	
CORSAIR	CMK64GX4M8B2800C14 (Ver4.24)	64GB(8*8GB)	DS	N/A	Heat-Sink Package	14-16-16-36	1.35V	•	•	
TEAM	TFWD416G2800C16CBK	16G	DS	TEAM	T4D10248HT-30	16-18-18-38	1.2V		•	
TEAM	TFRD48G2800C16CBK	8G	DS	N/A	SEC625	16-18-18-38	1.2V	•	•	
TEAM	TCD44G2800C16CBK	4G	SS	TEAM	T4D5128HT-30	16-18-18-38	1.2V	•	•	
FORZA	NFMUD416E8-2800EH2A	16GB	DS	N/A	Heat-Sink Package	17-17-17-36	1.2V	•	•	
FORZA	NFMUD480E8-2800DH2A	8G	SS	N/A	Heat-Sink Package	17-17-17-36	1.2V	•	•	
ADATA	AX4U2800W8G17-BRD	8GB	DS	N/A	Heat-Sink Package	17-17-17-36	1.2V		•	
G.SKILL	F4-2800C15Q-32GVR	32GB (4x 8GB)	SS	N/A	Heat-Sink Package	15-15-15-35	1.25V	•	•	
ADATA	AX4U2800W4G17-BRZ	8GB(2*4GB)	SS	N/A	Heat-Sink Package	17-17-17-36	1.2V	•	•	
ADATA	AX4U280038G17-BWZ	8G	SS	N/A	Heat-Sink Package	17-17-17-36	1.2V		•	
KINGMAX	GLMG42F-18KIIA CJB4	8GB	SS	N/A	Heat-Sink Package	17-17-17-39	1.20V		•	

DDR4 3000 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.
CORSAIR	CMD32GX4M2B3000C15(Ver4.31)	32GB (16GB*2)	DS	N/A	Heat-Sink Package
KINGSTON	HX430C15PB2K4/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3000C15Q-16GRR	16GB (4GB*4)	SS	N/A	Heat-Sink Package
PANRAM	PUD43000C154G4NJW	16GB (4GB*4)	SS	N/A	Heat-Sink Package
KINGSTON	HX430C15PBK4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package
KINGSTON	HX430C15SB2K4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package
AVEXIR	AVD4UZ130001604G-4COB	16GB (4GB*4)	SS	N/A	Heat-Sink Package
AVEXIR	AVD4UZ130001608G-4COB	32GB (8GB*4)	DS	N/A	Heat-Sink Package
KINGSTON	HX430C15SBK2/16	16GB (8GB*2)	DS	N/A	Heat-Sink Package
KLEVV	IM44GU48A30-GIIHMC	16GB (4GB*4)	SS	N/A	Heat-Sink Package
CORSAIR	CMK16GX4M2B3000C15 (Ver4.24)	16GB (8GB*2)	DS	N/A	Heat-Sink Package
KINGSTON	HX430C15SB2K4/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package
TEAM	TDGED48G3000HC16ABK	16GB (8GB*2)	DS	N/A	Heat-Sink Package
PATRIOT	PV416G300C6QK	16GB (4GB*4)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3000C15D-32GVR	32GB (16GB*2)	DS	N/A	Heat-Sink Package
CORSAIR	CMK64GX4M4B3000C15 (Ver4.31)	64GB (16GB*4)	DS	N/A	Heat-Sink Package
TEAM	TCD48G300C16ABK	8G	SS	Skhymix	H5AN8G8NMFR
ADATA	AX4U300038G16-DBZ	8G	DS	N/A	Heat-Sink Package
ADATA	AX4U3000316G16-BGZ	16G	DS	N/A	Heat-Sink Package
CORSAIR	CMD16GX4M4B3000C15(Ver4.24)	4G	SS	N/A	Heat-Sink Package
CORSAIR	CMK32GX4M2B3000C15(Ver5.39)	16G	DS	N/A	Heat-Sink Package
CORSAIR	CMU16GX4M2C3000C15 (Ver4.31)	8G	SS	N/A	Heat-Sink Package
CORSAIR	CMK16GX4M4B3000C15(Ver3.21)	4G	SS	N/A	Heat-Sink Package
G.SKILL	F4-3000C15Q-32GRK	8G*4	DS	N/A	Heat-Sink Package

CORSAIR	CMK8GX4M2B3000C15(Ver3.21)	8GB(2*4GB)	SS	N/A	Heat-Sink Package
CORSAIR	CMU32GX4M4C3000C15 (Ver5.3)	32GB(8GB*4)	DS	N/A	Heat-Sink Package
GEIL	GFR416GB3000C15ADC	8G	SS	N/A	Heat-Sink Package
TEAM	TFWD416G3000C16CBK	16G	DS	TEAM	T4D10248HT-30
TEAM	TFRD48G3000C16CBK	8G	DS	N/A	SEC625
TEAM	TCD44G3000C16CBK	4G	SS	TEAM	T4D5128HT-30
Klevv	IM4AGU88A30-FGGHMZ	16GB	DS	N/A	Heat-Sink Package
Klevv	IM48GU88A30-FGGHMZ	8GB	SS	N/A	Heat-Sink Package
Klevv	IM44GU48A30-FGGHAZ	4GB	SS	N/A	Heat-Sink Package
Klevv	IM48GU88A30-FGGHMB	8GB	SS	N/A	Heat-Sink Package
Klevv	IM44GU48A30-FGGHAB	4GB	SS	N/A	Heat-Sink Package
Klevv	IM4AGU88A30-FGGHMB	16GB	DS	N/A	Heat-Sink Package
G.SKILL	F4-3000C16D-16GISB	8GB*2	SS	N/A	Heat-Sink Package
CORSAIR	CMD16GX4M2B3000C15(Ver5.30)	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
CORSAIR	CMD32GX4M4C3000C15(Ver5.30)	32GB (4x 8GB)	SS	N/A	Heat-Sink Package
FORZA	NFMUD416E8-3000DH2A	16GB	DS	N/A	Heat-Sink Package
FORZA	NFMUD480E8-3000DH2A	8GB	SS	N/A	Heat-Sink Package
CORSAIR	CMR16GX4M2C3000C15(Ver4.31)	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
CORSAIR	CMR32GX4M4C3000C15	32GB (4x 8GB)	DS	N/A	Heat-Sink Package
Team	TDRRD48G3000HC16CBK	8GB	DS	N/A	Heat-Sink Package
Team	TDRGD48G3000HC16CBK	8GB	DS	N/A	Heat-Sink Package
GALAXY	HOF DDR4-3000	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
GeIL	GLR416GB3000C15ADC	8GB	SS	N/A	Heat-Sink Package
G.SKILL	F4-3000C15S-16GVR	16GB	DS	N/A	Heat-Sink Package
FORZA	NMUD416E82-3000DB30	16GB	DS	N/A	Heat-Sink Package
FORZA	NMUD480E82-3000DB30	8GB	SS	N/A	Heat-Sink Package
PATRIOT	PV432G300C6QK	32GB (4x 8GB)	SS	N/A	Heat-Sink Package
HyperX	HX430C15PB3K4/32	32GB (4x 8GB)	SS	N/A	Heat-Sink Package

CRUCIAL	BLT8G4D30AETA.K16FE	8GB	DS	N/A	Heat-Sink Package
PATRIOT	PVE416G300C6KBL	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
PATRIOT	PVE48G300C6KRD	8GB (2x 4GB)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3000C14Q2-128GVKD	128GB (16GBx8)	DS	N/A	Heat-Sink Package
Team	TF3D48G3000HC16CBK	8GB	SS	N/A	Heat-Sink Package
Team	TF4D48G3000HC16CBK	8GB	SS	N/A	Heat-Sink Package
GALAXY	N/A	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
TIGO	TMKU8GF58-3000X	8GB	DS	N/A	Heat-Sink Package
CORSAIR	CMK16GX4M2B3000C15R (Ver5.30)	8GB*2	SS	N/A	Heat-Sink Package
CORSAIR	CMK16GX4M2B3000C15R (Ver3.32)	8GB*2	SS	N/A	Heat-Sink Package
CORSAIR	CM4X8GD3000C15U4-CN(Ver.5.39)	8GB	SS	N/A	Heat-Sink Package
ADATA	AX4U300038G16-BRS	64GB(8x 8GB)	SS	N/A	Heat-Sink Package
ADATA	AX4U300038G16-BBG	64GB(8x 8GB)	SS	N/A	Heat-Sink Package
Hyper X	HX430C15PB3/8 HX430C15PB3K2/16	8GB 16GB (2x 8GB)	SS	N/A	Heat-Sink Package
TEKISM	T4X3000B8G17-HY	8GB	DS	N/A	Heat-Sink Package
CORSAIR	CMK16GX4M2B3000C15 (Ver5.39)	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3000C16D-16GTZR	16GB (2x 8GB)	SS	N/A	Heat-Sink Package

Timing	Voltage	DIMM socket support (Optional)		
		1 DIMM	2 DIMM	4 DIMM
15-17-17-35	1.35V		•	
15-15-15-36-50	1.35V		•	
15-15-15-35	1.35V		•	
15-17-17-35	1.35V		•	
15-15-15-36-50	1.35V			
15-15-15-36-50	1.35V		•	
15-15-15-36-51	1.35V			
15-15-15-36-51	1.35V	•	•	
15-15-15-36-50	1.35V		•	
16-18-18	1.35V		•	
15-17-17-35	1.35V		•	
15-15-15-36-50	1.35V		•	
16-16-16-36	1.35V		•	
16-16-16-36	1.35V		•	
15-15-15-35	1.35V		•	
15-17-17-35	1.35V		•	
16-16-16-36	1.35V		•	
16-18-18-36	1.35V		•	
16-18-18	1.35V		•	
15-17-17-35	1.35V		•	
15-17-17-35	1.35V		•	
15-17-17-35	1.35V		•	
15-17-17-35	1.35V		•	
15-15-15-35	1.35V		•	

15-17-17-35	1.35V	•
15-17-17-35	1.35V	•
15-17-17-35	1.35V	•
16-18-18-38	1.35V	•
16-18-18-38	1.35V	•
16-18-18-38	1.35V	•
15-16-16	1.35V	•
15-16-16	1.35V	•
15-16-16	1.35V	•
15-16-16	1.35V	•
15-16-16	1.35V	•
15-16-16	1.35V	•
16-18-18-38	1.35V	•
15-17-17-35	1.35V	•
15-17-17-35	1.35V	•
15-17-17-35	1.35V	•
15-17-17-35	1.35V	•
15-17-17-35	1.35V	•
16-18-18-38	1.35V	•
16-18-18-38	1.35V	•
16-18-18-38	1.35V	•
15-17-17-35	1.35V	•
15-15-15-35	1.35V	•
15-17-17-35	1.35V	•
15-17-17-35	1.35V	•
16-16-16-36	1.35V	•
15-17-17-36	1.35V	•

15-16-16-35	1.35V	•
16-16-16-36	1.35V	•
16-16-16-36	1.35V	•
14-14-14-34	1.35V	•
16-18-18-38	1.35V	•
16-18-18-38	1.35V	•
16-18-18-38	1.35V	•
16-18-18-36	1.35V	•
15-17-17-35	1.35V	•
15-17-17-35	1.35V	•
15-17-17-35	1.35V	• •
16-18-18-36	1.35V	•
16-18-18-36	1.35V	•
15-17-17-36	1.35V	•
17-17-17-36	1.35V	•
15-17-17-35	1.35V	•
16-18-18-38	1.35V	•

DDR4 3200 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.
PANRAM	PUD43200C164G4NJW	16GB (4GB*4)	SS	N/A	Heat-Sink Package
MUSHKIN	997202F	8GB (4GB*2)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3200C16D-8GVKB	8GB (4GB*2)	SS	N/A	Heat-Sink Package
APACER	78.BAGMD.AF20B	8GB (4GB*2)	SS	N/A	Heat-Sink Package
PATRIOT	PV48G320C6K	8GB (4GB*2)	SS	N/A	Heat-Sink Package
HyperX	HX432C16PB3K4/32	32GB(8GB*4)	SS	N/A	Heat-Sink Package
ADATA	AX4U3200W8G16-BGZ		DS	N/A	Heat-Sink Package
TEAM	TFWD416G3200C16CBK	16G	DS	N/A	SEC546
TEAM	TFWD48G3200C16CBK	8G	DS	N/A	SEC613
G.SKILL	F4-3200C16D-16GTZR	8GB*2	SS	N/A	Heat-Sink Package
CORSAIR	CMD16GX4M2B3200C16(Ver3.21)	16G	DS	N/A	Heat-Sink Package
TIGO	CMK32GX4M2B3200C16(Ver5.39)	8GB*2	DS	N/A	Heat-Sink Package
G.SKILL	CMD32GX4M2C3200C16(Ver5.39)	32GB (4x 8GB)	SS	N/A	Heat-Sink Package
CORSAIR	CMK64GX4M8B3200C16(Ver4.31)	32GB(2*16GB)	DS	N/A	Heat-Sink Package
CORSAIR	CMK16GX4M2B3200C16(Ver4.24)	32GB(2*16GB)	DS	N/A	Heat-Sink Package
CORSAIR	CMU16GX4M2C3200C16(Ver5.39)	64GB (8 x 8GB)	SS	N/A	Heat-Sink Package
Team	CMD16GX4M2B3200C16(Ver3.21)	8GB	SS	N/A	Heat-Sink Package
Team	CMK32GX4M2B3200C16(Ver5.39)	8GB	SS	N/A	Heat-Sink Package
CORSAIR	CMK64GX4M8B3200C16(Ver4.31)	16GB (2x 8GB)	DS	N/A	Heat-Sink Package

G.SKILL	CMK16GX4M2B3200C16(Ver4.24)	16GB (2x 8GB)	DS	N/A	Heat-Sink Package
CORSAIR	CMU16GX4M2C3200C16(Ver5.39)	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3200C16S-8GRKB	8GB	SS	N/A	Heat-Sink Package
CORSAIR	CMU32GX4M2C3200C16(Ver5.39)	32GB(2*16GB)	DS	N/A	Heat-Sink Package
ADATA	AX4U320038G16-BRS	8GB*8	SS	N/A	Heat-Sink Package
Hyper X	HX432C16PB3K2/16	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
TIGO	TMKG8G3200C16.RGB	8GB	SS	N/A	Heat-Sink Package

Timing	Voltage	DIMM socket support (Optional)		
		1 DIMM	2 DIMM	4 DIMM
16-18-18-39	1.35V			
15-15-15-36	1.2V			
16-18-18-38	1.35V			
16-16-16-36	1.35V			
	1.35V			
16-18-18-36	1.35V			
16-16-16	1.35V			
16-18-18-38	1.35V			
16-18-18-38	1.35V			
18-18-18-38	1.35V			
16-18-18-36	1.35V			
16-18-18-38	1.35V			
14-14-14-34	1.35V			
16-18-18-36	1.35V			
16-18-18-36	1.35V			
16-18-18-36	1.35V			
16-18-18-38	1.35V			
16-18-18-38	1.35V			
16-18-18-36	1.35V		●	

16-16-16-36	1.35V		•
16-18-18-36	1.35V	•	•
16-18-18-38	1.35V		•
16-18-18-36	1.35V		•
16-18-18-36	1.35V		•
16-18-18-36	1.35V		•
16-18-18-38	1.35V		•

DDR4 3300 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.
ADATA	AX4U3333W4G16-QGZ	32GB (8GB*4)	SS	N/A	Heat-Sink Package
HyperX	HX433C16PB3K2/16	16GB(8GB*2)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3300C16Q-16GRKD	16GB (4GB*4)	SS	N/A	Heat-Sink Package
CORSAIR	CMR32GX4M4C3333C16(Ver4.31)	32GB (4x 8GB)	SS	N/A	Heat-Sink Package

Timing	Voltage	DIMM socket support (Optional)		
		1 DIMM	2 DIMM	4 DIMM
16-16-16	1.35V			
16-18-18-36	1.35V			
16-16-16-36	1.35V			
16-18-18-35	1.35V			

DDR4 3400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.
GEIL	GLWR416GB3400C16AQC	16GB (4GB*4)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3400C16Q-16GRBD	16GB (4GB*4)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3466C16Q-16GVK	16GB (4GB*4)	SS	N/A	Heat-Sink Package
CORSAIR	CMD16GX4M4B3466C18 (Ver4.23)	16GB (4GB*4)	SS	N/A	Heat-Sink Package
G.SKILL	CMU32GX4M4C3400C16R (Ver5.20)	16GB (8GB*2)	DS	N/A	Heat-Sink Package
PATRIOT	CMD32GX4M2B3466C16(Ver4.31)	8GB (4GB*2)	SS	N/A	Heat-Sink Package
CORSAIR	CMU32GX4M4C3400C16R (Ver5.20)	32GB(4*8GB)	SS	N/A	Heat-Sink Package
CORSAIR	CMD32GX4M2B3466C16(Ver4.31)	32GB(2*16GB)	DS	N/A	Heat-Sink Package
CORSAIR	CMR16GX4M2C3466C16(Ver4.31)	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3466C16Q2-64GTZ	64GB (8GBx8)	SS	N/A	Heat-Sink Package

Timing	Voltage	DIMM socket support (Optional)		
		1 DIMM	2 DIMM	4 DIMM
16-18-18-36	1.35V			
16-18-18-38	1.35V			
16-18-18-38	1.35V			
18-19-19-39	1.35V			
16-18-18-38	1.35V			
	1.35V			
16-18-18-36	1.35V			
16-18-18-36	1.35V			
16-18-18-36	1.35V			
16-18-18-38	1.35V			

DDR4 3600+ Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.
G.SKILL	F4-3600-C17Q-16GVK	16GB (4GB*4)	SS	N/A	Heat-Sink Package
GALAXY	HOF4CALCS3600K17LD162C	16G(8G*2)	SS	N/A	Heat-Sink Package
CORSAIR	CMK16GX4M2B3600C18(Ver4.31)	16GB(2*8GB)	SS	N/A	Heat-Sink Package
CORSAIR	CMD8GX4M2B3600C18 (Ver4.24)	8GB(2*4GB)	SS	N/A	Heat-Sink Package
CORSAIR	CMD8GX4M2B3733C17 (Ver4.24)	8GB(2*4GB)	SS	N/A	Heat-Sink Package
G.SKILL	F4-3866C18Q-16GTZ	4G	SS	N/A	Heat-Sink Package
G.SKILL	F4-4000C19D-8GTZ	8GB (4GB*2)	SS	N/A	Heat-Sink Package
CORSAIR	CMK8GX4M2B4000C19R (Ver4.24)		SS	N/A	Heat-Sink Package
G.SKILL	F4-4000C19D-16GTZSW		SS	N/A	Heat-Sink Package
G.SKILL	F4-4133C19D-16GTZKW		SS	N/A	Heat-Sink Package
G.SKILL	F4-4266C19D-16GTZKW	16GB (2x 8GB)	SS	N/A	Heat-Sink Package
G.SKILL	F4-4400C19D-16GTZSW	16GB (2x 8GB)	SS	N/A	Heat-Sink Package

Timing	Voltage	DIMM socket support (Optional)		
		1 DIMM	2 DIMM	4 DIMM
17-18-18-38	1.35V			
17-18-18-38	1.35V			
18-19-19-39	1.35V			
18-19-19-39	1.35V			
17-19-19-39	1.35V			
18-22-22-42	1.35V			
19-21-21-41	1.35V			
19-23-23-45	1.35V			
19-21-21-41	1.35V			
19-21-21-41	1.35V			
19-19-19-39	1.40V			
19-19-19-39	1.40V			