

PRIME H310I-PLUS R2.0

DDR4 2133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIM socket support (Optional)			
								1 DIMM	2 DIMM	4 DIMM	
SAMSUNG	M378A5143DB0--CPB	4G	SS	SEC 428 BCPB	K4A4G085WD	15-15-15-36	1.2V	•	•	•	
SAMSUNG	M378A1G43DB0--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	•	•	•	
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	CMK16GX4M4A2133C15(Ver4.23)	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•	•	
CRUCIAL	MTA8ATF51264AZ-2G1A1	4G	SS	MICRON	4QA77D9RCQ	15-15-15-36	1.2V	•	•	•	
CORSAIR	CMV4GX4M1A2133C15	4G	SS	N/A	4A72Z9RGR	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.AF10B	8G	DS	SK HYNIX	H5AN4G8NMFR	16-16-16-36	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	•	•	•	
GALAXY	GAM4DBLBM213315E081C	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	•	•	•	
CORSAIR	CMK16GX4M4A2133C13 (Ver5.29)	16GB (4GB*4)	SS	N/A	Heat-Sink Package	13-15-15-28	1.2V	•	•	•	
GEIL	GPR48GB2133C15DC	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	T4U2133B8G15-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	•	•	•	
ADATA	AX4U2133W4G15-QRZ	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•	•	
TEAM	TED48GM2133C15BK	8G	DS	SK HYNIX	H5AN4G8NMFR	15-15-15-36	1.2V	•	•	•	
ADATA	AD4U2133W8G15-B	128GB(16x 8G)	DS	SK HYNIX	H5AN4G8NAFR			•	•	•	
CRUCIAL	CT8G4DFD8213.16FA11	32GB (8GB*4)	DS	MICRO	5CA77D9RGQ		1.2V	•	•	•	
KINGSTON	KVR21E15S8/4	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	SS	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-CCN2B 1615	8G	DS	SK HYNIX	H5AN4G8NMFR			•	•	•	
PATRIOT	PSD48G21332	8G	DS	PAIROT	PM512M8D4BU-083			•	•	•	
APACER	AU08GGB13CDTBGC	8G	DS	APACER	AM6F6008THSA11550F			•	•	•	
SAMSUNG	M378A1K43BB1-CPB	8G	SS	SEC 610	K4A8G085WBBCPB			•	•	•	
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	TC48G21S818-IMS	32GB(8GB*4)	SS	V-COLOR	N/A		1.2V	•	•	•	
TEAM	TED416G2133C15BK	16G	DS	TEAM	T4D10248MT-21	15-15-15-36	1.2V	•	•	•	
TIGO	TMKU8GF58-2133P	8G	DS	N/A	PPE08-093TP		1.2V	•	•	•	
SAMSUNG	M378A5143EB1-CPB	4GB	SS	SEC 637	E8GZ250WP	15-15-15-36	1.2V	•	•	•	
SAMSUNG	M378A5143EB1-CPB	4GB	SS	SEC 607	E8K4089YC	15-15-15-36	1.2V	•	•	•	
TEAM	TED48G2133C15BK	8GB	SS	TEAM	T4D10248KT-21	15-15-15-36	1.2V	•	•	•	
ANUCCELL	GRPIF1621033818594	8GB	DS	ANUCCELL	P4P4GF3BLF-GMT	16-16-16-35	1.2V	•	•	•	
TIGO	TMKU8G868-2133P	8GB	SS		PP020-093E TP	15-15-15-36	1.2V	•	•	•	
Xiede	1.2V-PC4-17000-1620	4GB	SS	MICON	6GA77D9RGQ	15-15-15-36	1.2V	•	•	•	
V-COLOR	TC48G21S815	8GB	SS	V-COLOR	TMCB134HA3	15-15-15-36	1.2V	•	•	•	
V-COLOR	TC48G21S815-IMS	8GB	SS	V-COLOR	E0510	15-15-15-36	1.2V	•	•	•	
SAMSUNG	M378A2K43BB1CPB	16G	DS	SEC510	K4A8G085WBBCPB		1.2V	•	•	•	
G.SKILL	F4-2133C15Q-32GRR	8G*4	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	CT4G4DFS8213.C8FBD2	4G	SS	MICON	6SB45C9BHC		1.2V	•	•	•	
GEIL	GFY48GB2133C15DC	4G	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•	•	
Klevv	IM48GU88N21-FFFHMB	8GB	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•	•	
Klevv	IM44GU48N21-FFFHAB	4GB	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•	•	
Klevv	IM44AGU88N21-FFFHMB	16GB	DS	N/A	Heat-Sink Package	15-15-15	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	STK4U2133D15041C/PC4-17000	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•	
G.SKILL	F4-2133C15Q-64GFX	64GB(4*16GB)	DS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•	•	
G.SKILL	F4-2133C15Q-32GFX	32GB (4x 8GB)	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•	•	
AVANT	AVW6451U67J5213N3-SAEP	4GB	SS	SEC 549	K4A4G08	15--15-15-36	1.20V	•	•	•	
AVANT	AVW641GU67J5213N2-SAEP	8GB	DS	SEC 549	K4A4G08	15--15-15-36	1.20V	•	•	•	
AVANT	AVW642GU42J5213N2-SAEP	16GB	DS	SEC 549	K4A8G08	15--15-15-36	1.20V	•	•	•	
SanMax	SMD4-U4G28SE-21P	4GB	SS	SEC 534	K4A4G08	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	T4U2133B8G15-HYM	16GB (2x 8GB)	DS	Skhynix	H5AN4G8NMFR	15-15-15-36	1.20V	•	•	•	
TIGO	TMKU4G456-2133P	4GB	SS	TIGO	TG2133PS5116 NST-C17	15-15-15-36	1.20V	•	•	•	
HYUNDAI	HYE16G21C15	16GB	SS	SK HYNIX	2GX8DDR4 K1646	15-15-15-35	1.20V	•	•	•	
HYUNDAI	HYE8G21C15	8GB	SS	SK HYNIX	E512M8SEQBA26M	15-15-15-35	1.20V	•	•	•	

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Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIM socket support (Optional)			
								1 DIMM	2 DIMM	4 DIMM	
ADATA	AX4U2400W8G16-DRZ	8G	DS	N/A	Heat-Sink Package	16-16-16	1.2V	•	•	•	
G.SKILL	F4-2400C15Q-32GRB	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•	
PATRIOT	PX416G240C5QK	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•	
GLOWAY	PC4-19200	4G	DS	N/A	Heat-Sink Package	16-16-16-35	1.2V	•	•	•	
PANRAM	PUD42400C158G4NJW	8G	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•	•	

CRUCIAL	BLS4K4G4D240FSA	4G	SS	MICRON	Heat-Sink Package	16-16-16-39	1.2V	•	•
ADATA	AX4U2400W4G16-DRZ	4G	SS	N/A	Heat-Sink Package	16-16-16	1.2V	•	•
GEIL	GPR416GB2400C15QC	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
MUSHKIN	997199F	8G	DS	N/A	Heat-Sink Package	15-15-15-35-50	1.2V	•	•
KINGSTON	HX424C15FBK4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-35-56	1.2V	•	•
APACER	78.C1GMA.AF30B	8G	DS	SK HYNIX	H5AN4G8NMFR	16-16-16-36	1.2V	•	•
PNY	MD16GK2D4240015AB	16GB (8GB*2)	DS	N/A	Heat-Sink Package		1.2V	•	•
G.SKILL	F4-2400C15D-169GVR	16GB (8GB*2)	DS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
APACER	AHU08GGB24CDT7G	8G	DS	N/A	Heat-Sink Package	16-16-16-36		•	•
CORSAIR	CM4X8GE2400C14K4-CN (Ver.4.24)	8G	DS	N/A	Heat-Sink Package	14-16-16-31	1.2V	•	•
CORSAIR	CMK8GX4M1A2400C14(Ver3.20)	8G	DS	N/A	Heat-Sink Package	14-16-16-31	1.2V	•	•
PATRIOT	PV416G240C5QK	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
KINGSTON	HX424C15FBK4/16	4G	SS	N/A	Heat-Sink Package		1.2V	•	•
G.SKILL	F4-2400C14Q-16GRK	4G	SS	N/A	Heat-Sink Package	14-14-14-34	1.2V	•	•
G.SKILL	F4-2400C15Q-16GRR	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
AVEXIR	AVD4UZ124001608G-4COR	8G	DS	N/A	Heat-Sink Package		1.2V	•	•
AVEXIR	AVD4UZ124001604G-4COB	4G	SS	N/A	Heat-Sink Package		1.2V	•	•
CRUCIAL	BLS8G4D240FSA.16FADG	8G	DS	MICRON	Heat-Sink Package	16-16-16-39	1.2V	•	•
TEAM	TED48G2400C16BK	8GB	DS	TEAM	T4D5128HT-24	16-16-16-39	1.2V	•	•
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	•	•
PATRIOT	PSD48G240002	8G	DS	PAIROT	1621JB5454512X8DDR4			•	•
CORSAIR	CMD32GX4M4A2400C14 (Ver4.23)	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		1.35V	•	•
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(Ver3.28)	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	•	•
AVEXIR	AVD4UZ124001608G-1COB	8G	DS	N/A	Heat-Sink Package		1.2V	•	•
AVEXIR	AVD4UZ24001608G-1BW	8G	DS	N/A	512X8DDR4		1.2V	•	•
APACER	AU08GGB24CETBGC	8G	DS	APACER	AM6F60080THSB21550F			•	•
AVEXIR	AVD4UZ124001608G-2COR	16GB (8GB*2)	DS	N/A	Heat-Sink Package		1.2V	•	•
V-COLOR	8GTC48G24S817-IMS	32GB (8GB*4)	SS	V-COLOR	N/A		1.2V	•	•
CORSAIR	CMD32GX4M4A2400C12 (Ver5.20)	32GB(8GB*4)	DS	N/A	Heat-Sink Package		1.2V	•	•
G.SKILL	F4-2400C15Q-64GIS	64GB(16GB*4)	DS	MICRON	Heat-Sink Package		1.2V	•	•
CRUCIAL	BLS8G4D240FSA.16FARG	32GB(8GB*4)	DS	MICRON	Heat-Sink Package		1.2V	•	•
GEIL	GLW416GB2400C15DC	8G	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
TEAM	TDTRD48G2400HC15ABK	8GB	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
TEAM	TDRED48G2400HC14BK	8GB	SS	N/A	Heat-Sink Package	14-16-16-31	1.2V	•	•
GEIL	GRP416GB2400C16DC	8GB	SS	MICRON	Heat-Sink Package	16-16-16-36	1.2V	•	•
ADATA	AX4U2400W8G16-BRZ	8G	DS	N/A	Heat-Sink Package	16-16-16	1.2V	•	•
KINGSTON	HX424C15FB/16	16GB	DS	MICRON	Heat-Sink Package		1.2V	•	•
CRUCIAL	BLS8G4D240FSA.16FARG	8GB	DS	MICRON	Heat-Sink Package	16-16-16-39	1.2V	•	•
CORSAIR	CMK32GX4M2A2400C14(Ver3.31)	32GB(8GB*2)	DS	MICRON	Heat-Sink Package	14-16-16-31	1.2V	•	•
GALAXY	GAM4HFL1BM2400D15IE08IC	8G	DS	MICRON	Heat-Sink Package		1.2V	•	•
CORSAIR	CMK32GX4M4A2400C16R(Ver3.31)	32GB(4*8GB)	SS	MICRON	Heat-Sink Package	16-16-16-39	1.2V	•	•
CORSAIR	CMD16GX4M4B2400C10	16GB(4*4GB)	SS	N/A	Heat-Sink Package	10-12-12-28	1.35V	•	•
MUSHKIN	997199T	16GB(2*8GB)	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
GEIL	8G2133C151.2V	8G	DS	GEIL	512X8DDR4Y		1.2V	•	•
TEAM	TCD44G2400C14BK	4GB	SS	Skhymix	H5AN4G8NAFR	14-16-16-31	1.2V	•	•
TIGO	TMKU8GF28-2400U	8G	DS	N/A	Heat-Sink Package		1.2V	•	•
APACER	AU08GGB24CEYBGC	8G	SS	APACER	AM6F6308MHHSB2	17-17-17-39	1.2V	•	•
KINGSTON	HX424C12SB2K2/16	16G	DS	N/A	Heat-Sink Package		1.35V	•	•
GLOWAY	PC4-19200	8G	SS	N/A	M15B302062	15-15-15-35	1.2V	•	•
ADATA	AX4U240038G16-BWZ	8GB*8	SS	MICRON	Heat-Sink Package	17-16-16-39	1.2V	•	•
ADATA	AX4U2400316G16-SBF	16G*16	DS	N/A	Heat-Sink Package	17-16-16-39	1.2V	•	•
AVEXIR	AVD4UZ124001608G-4COR	8GB*4	SS	MICRON	Heat-Sink Package	16-16-16-36	1.2V	•	•
AVEXIR	AVD4UZ124001604G-4COR	16GB (4x 4GB)	SS	MICRON	Heat-Sink Package	16-16-16-36	1.2V	•	•
KINGSTON	TF24D4U7S8MB-8	8GB	SS	MICRON	6SB77D9TBH	17-17-17-39	1.2V	•	•
KINGSTON	TF24D4U7S1MBD-2	2GB	SS	MICRON	6GB77D9TGQ	17-17-17-39	1.2V	•	•
KINGSTON	TF24D4U7S8MBD-4	4GB	SS	MICRON	6QB77D9TGG	17-17-17-39	1.2V	•	•
RAMAXEL	RMUA5120MB86H9F-2400	4GB	SS	MICRON	6RB77D9TBK	17-17-17-39	1.2V	•	•
RAMAXEL	RMUA5120MB76H8F-2400	2GB	SS	MICRON	6GB77D9TGG	17-17-17-39	1.2V	•	•
V-COLOR	TC48G24S817	8GB	SS	V-COLOR	TMC9486G2	17-17-17-39	1.2V	•	•
ADATA	AX4U240038G16-SBF	8GB	SS	N/A	Heat-Sink Package	17-17-17-39	1.2V	•	•
ADATA	AX4U2400W8G16-DRD	8GB	DS	N/A	Heat-Sink Package	17-17-17-39	1.2V	•	•
ADATA	AX4U2400316G16-DRD	16G	DS	N/A	Heat-Sink Package	17-17-17-39	1.2V	•	•
G.SKILL	F4-2400C15Q2-64GRK	8GB*8	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
TEAM	TCD48G2400C14BK	8G	SS	MICRON	T4D10248MT-24	14-16-16-31	1.2V	•	•
TEAM	TED44G2400C16BK	4G	SS	MICRON	T4D5128MT-24	16-16-16-39	1.2V	•	•
CRUCIAL	BLS16G4D240FSA.16FAD	16G	DS	MICRON	Heat-Sink Package	16-16-16-39	1.2V	•	•
CRUCIAL	BLS4G4D240FSA.8FARG	4G	SS	MICRON	Heat-Sink Package	16-16-16-39	1.2V	•	•
PATRIOT	PV48G240C5	8G	DS	N/A	Heat-Sink Package		1.2V	•	•
TEAM	TFWD416G2400C15BBK	16G	DS	TEAM	PP020-093E TP	15-17-17-35	1.2V	•	•
TEAM	TFRD48G2400C15ABK	8G	SS	TEAM	T4D10248HT-24	15-15-15-35	1.2V	•	•
TEAM	TFRD44G2400C15ABK	4G	SS	TEAM	T4D5128HT-24	15-15-15-35	1.2V	•	•
Klevv	IM44GU48N24-FFFHAZ	4GB	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
Klevv	IM44AGU88N24-FFFHMZ	16GB	DS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
Klevv	IM48GU88N24-FFFHMZ	8GB	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
Klevv	IM44AGU88N24-FFFHMB	16GB	DS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
Klevv	IM48GU88N24-FFFHMB	8GB	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
Klevv	IM44GU48N24-FFFHAB	4GB	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•

G.SKILL	F4-2400C15D-16GTZR	8GB	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
CRUCIAL	MTA16ATF1G64AZ-2G3A2	8GB	DS	MICRON	5VA77D9RGG	17-17-17-39	1.2V	•	•
G.SKILL	F4-2400C15Q-64GFX	64GB(4*16GB)	DS	N/A	Heat-Sink Package	15-15-15-39	1.20V	•	•
G.SKILL	F4-2400C15Q-32GFX	32GB (4x 8GB)	SS	N/A	Heat-Sink Package	15-15-15-39	1.20V	•	•
G.SKILL	F4-2400C16Q-64GFX	64GB(4*16GB)	DS	N/A	Heat-Sink Package	16-16-16-39	1.20V	•	•
G.SKILL	F4-2400C16Q-32GFX	32GB (4x 8GB)	SS	N/A	Heat-Sink Package	16-16-16-39	1.20V	•	•
CORSAIR	CMK16GX4M2Z2400C16(Ver3.31)	16GB (2x 8GB)	SS	MICRON	Heat-Sink Package	16-16-16-18	1.20V	•	•
CORSAIR	CMK128GX4M8A2400C14(Ver5.30)	128GB(8*16GB)	DS	N/A	Heat-Sink Package	14-16-16-31	1.20V	•	•
AMD	R744G2400U1S	4GB	SS	N/A	Heat-Sink Package	15-15-15-36	1.20V	•	•
CORSAIR	CMK128GX4M8A2400C14(Ver5.30)	128GB (8x 16GB)	DS	MICRON	Heat-Sink Package	14-16-16-31	1.20V	•	•
CORSAIR	CMK16GX4M2Z2400C16(Ver3.31)	16GB (2x 8GB)	SS	MICRON	Heat-Sink Package	16-16-16-39	1.20V	•	•
GeIL	GFR416GB2400C16S	16GB	SS	MICRON	Heat-Sink Package	16-16-16-36	1.20V	•	•
GeIL	GFR432GB2400C16D	16GB	SS	MICRON	Heat-Sink Package	16-16-16-36	1.20V	•	•
HyperX	HX424C15FB2K4/32	32GB (4x 8GB)	SS	N/A	Heat-Sink Package	15-15-15-35	1.20V	•	•
GLOWAY	STK4U2400D17081C	8GB	SS	MICRON	Heat-Sink Package	17-17-17-39	1.20V	•	•
GLOWAY	STK4U2400D17161C	16GB	SS	MICRON	Heat-Sink Package	17-17-17-39	1.20V	•	•
PATRIOT	PSD48G240081	8GB	SS	SEC 710	K4A8G08	17-17-17-39	1.20V	•	•
PATRIOT	PSD44G240081	4GB	SS	SEC 707	K4A4G08	16-16-16-39	1.20V	•	•
PATRIOT	PSD416G24002	16GB	DS	SEC 707	K4A8G08	17-17-17-39	1.20V	•	•
PATRIOT	PV432G240C5QK	32GB (4x 8GB)	SS	N/A	Heat-Sink Package	15-15-15-35	1.20V	•	•
PATRIOT	PVE48G240C5KRD	8GB (2x 4GB)	SS	N/A	Heat-Sink Package	15-15-15-35	1.20V	•	•
PATRIOT	PVE416G240C5KBL	16GB (2x 8GB)	SS	N/A	Heat-Sink Package	15-15-15-35	1.20V	•	•
SAMSUNG	M378A2K43CB1-CRC	16GB	DS	SEC 719	K4A8G08	17-17-17-39	1.20V	•	•
Crucial	CT8G4DFS824A.C8FBD1	8GB	SS	MICRON	6VB47 C9BGM	17-17-17-39	1.20V	•	•
ADATA	AD4X240038G17-BP	64GB (8GBx8)	SS	N/A	PP019-083E	17-17-17-39	1.20V	•	•
APACER	AHU08GGB24CDU7S	8GB	SS	N/A	Heat-Sink Package	16-16-16-36	1.20V	•	•
Crucial	BLS8G4D240FSC.16FBR2	8GB	DS	MICRON	Heat-Sink Package	16-16-16-39	1.20V	•	•
KINGMAX	GLLF62F-DAKZIG CLBU	4GB	SS	N/A	PS029-D93 TP	17-17-17-39	1.20V	•	•
KINGMAX	GLLH22F-18KIIA CFBU2	16GB	DS	N/A	PS023-D93 TP	17-17-17-39	1.20V	•	•
KINGMAX	GLLG42F-D8KBIA CFUDU	8GB	DS	KINGMAX	KGD8CB-CU	17-17-17-39	1.20V	•	•
GEIL	GP44GB2400C16SC	4GB	SS	MICRON	CG4L512M88BA093FH	17-16-16-36	1.20V	•	•
Kingston	KVR24N17S8/4	4GB	SS	MICRON	7CB75	17-17-17-39	1.20V	•	•
CRUCIAL	BLS16G4D240FSC.16FBR	16G	DS	MICRON	Heat-Sink Package	16-16-16-39	1.20V	•	•
CRUCIAL	BLS8G4D240FSC.8FBD	8GB	SS	MICRON	Heat-Sink Package	16-16-16-39	1.20V	•	•
CRUCIAL	CT8G4DFD824A.C16FBD2	8GB	DS	MICRON	Heat-Sink Package	17-17-17-39	1.20V	•	•
CRUCIAL	CT16G4DFD824A.C16FHD1	16GB	DS	MICRON	Heat-Sink Package	17-17-17-39	1.20V	•	•
ADATA	AX4U240038G16-BRZ	64GB(8x 8GB)	SS	MICRON	Heat-Sink Package	17-16-16-39	1.20V	•	•
G.SKILL	F4-2400C15S-8GTX	8GB	SS	G.SKILL	D4 1GM8GE15	15-15-15-35	1.20V	•	•
Crucial	CT8G4DFS824A.C8FHD1	8GB	SS	MICRON	7JH45C9BHR	17-17-17-39	1.20V	•	•
APACER	AU08GGB24CEYBGH	8GB	SS	N/A	PPE17-093	17-17-17-39	1.20V	•	•
GALAXY	GAMER D4-2400 8G C16 紅燈	8GB	DS	N/A	Heat-Sink Package	16-16-16-36	1.20V	•	•
GALAXY	GAMER D4-2400 8G C16 綠燈	8GB	DS	N/A	Heat-Sink Package	16-16-16-36	1.20V	•	•
Ramsta	R2DD4N04G2400	4G	SS	Micron	8	16-16-16-39	1.20V	•	•
Ramsta	R2DD4N16G2400	16G	SS	Micron	16	17-17-17-39	1.20V	•	•
Ramsta	R2DD4N08G2400	8GB	DS	Micron	8	17-17-17-39	1.20V	•	•
HyperX	HX424C15FB/4	4G	SS	N/A	Heat-Sink Package	15-15-15-35	1.20V	•	•
CRUCIAL	BLS8G4D240FSE.16FBR2	8GB	DS	N/A	Heat-Sink Package	16-16-16-39	1.20V	•	•
APACER	AHU08GGB24CDU7G	8GB	SS	N/A	Heat-Sink Package	16-16-16-36	1.20V	•	•
GEIL	GASB416GB2400C16QC	4GB	SS	N/A	Heat-Sink Package	16-16-16-36	1.20V	•	•
GEIL	GASB432GB2400C16QC	8GB	SS	N/A	Heat-Sink Package	16-16-16-36	1.20V	•	•
TIGO	TMKU8G868-2400U	8GB	SS	TIGO	TK2400PS1G08	17-17-17-39	1.20V	•	•
TIGO	TMKG8G868-2400U	8GB	SS	N/A	Heat-Sink Package	16-16-16-39	1.20V	•	•
APACER	AU16GGB24CEYBGC	16GB	DS	APACER	AM6F6308AHHSB2	17-17-17-39	1.2V	•	•
GEIL	GLS48GB2400C16DC	4GB	SS	N/A	Heat-Sink Package	17-16-16-36	1.2V	•	•
GLOWAY	TYP8U2400E17042C	8GB	SS	N/A	Heat-Sink Package	17-17-17-39	1.2V	•	•
Asgard	VML41UG-MEC1U2BQ1	8GB	SS	N/A	Heat-Sink Package	17-17-17-39	1.2V	•	•
silicon power	SP008GBLFU240B02	8GB	SS	silicon power	4N8084HABE 1730X	17-17-17-39	1.2V	•	•
GeIL	GLS48GB2400C16DC	4GB	SS	N/A	Heat-Sink Package	17-16-16-36	1.2V	•	•
TIGO	TMKU4G456-2400U	4GB	SS	TIGO	TG2400PS5116 NST-C17	17-17-17-39	1.20V	•	•
TIGO	TMKUF6F8-2400U	16GB	DS	TIGO	TG2400PS1G08 NST-C17	17-17-17-39	1.20V	•	•
G.SKILL	F4-2400C17S-8GNX	8GB	DS	N/A	5WB BCRC	17-17-17-39	1.20V	•	•
HYUNDAI	HYE4G24C17	4GB	SS	SK HYNIX	E512MM8SEQCAG44H	17-17-17-39	1.20V	•	•
HYUNDAI	HYE8G24C17	8GB	SS	SK HYNIX	E1G8SEQCAG28H	17-17-17-39	1.20V	•	•
Apacer	AU16GGB24CEYBGH	16GB	DS	N/A	PP020-093 TP	17-17-17-39	1.20V	•	•
MAXSUN	MSD44G24Q3	4GB	DS	Samsung	K4A4G165W?-BCRC	17-17-17-39	1.20V	•	•
MAXSUN	MSD48G24Q3	8GB	DS	Micron Technology	MT40A1G8??-083:?	17-17-17-39	1.20V	•	•
TECLAST	TLD44G24A30	4GB	DS	Micron Technology	MT40A256M16??-083:?	17-17-17-39	1.20V	•	•
TECLAST	TLD48G24A30	8GB	SS	Micron Technology	MT40A1G8??-083:?	17-17-17-39	1.20V	•	•
KINGSTON	KVR24N17S8/8	8GB	SS	Nanya	NT5AD1024M8A3-GZ	17-17-17-39	1.20V	•	•
DDR4 2666 Qualified Vendors List (QVL)									
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	#DIMM socket support (Optional)	
CORSAIR	CMK16GX4M4A2666C16 (Ver5.29)	16GB (4GB*4)	SS	N/A	Heat-Sink Package	16-18-18-35	1.2V	•	•
G.SKILL	F4-2666C15Q-16GRR	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
MUSHKIN	997192F	8GB(4GB*2)	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
KINGSTON	HX426C13PBK4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-36	1.35V	•	•
KINGSTON	HX426C15FBK4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-17-17-35	1.2V	•	•
CORSAIR	CMD128GX4M8A2666C15	128GB(16GB*4)	DS	N/A	Heat-Sink Package	15-17-17-35	1.2V	•	•
CRUCIAL	BLE4G4D26AFE.8FAD	8G	SS	N/A	Heat-Sink Package	16-16-17-36	1.2V	•	•
CRUCIAL	BLE8G4D26AFE.16FAD	8G	DS	N/A	Heat-Sink Package	16-17-17-36	1.2V	•	•
AVEXIR	AVD4UZ126661504G-4COB	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
AVEXIR	AVD4UZ126661508G-4COB	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•
CRUCIAL	BLT4G4D26AFTA.8FADG	4G	SS	N/A	Heat-Sink Package	16-17-17-36	1.2V	•	•
CRUCIAL	BLT8G4D26AFTA.16FAD	8G	DS	N/A	Heat-Sink Package	16-17-17-36	1.2V	•	•

KLEVV	IMA41GU6MFR8N-C F0	8G	DS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
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	•	•
PNY	MD16GK4D266615AXR	16GB (4GB*4)	SS	N/A	Heat-Sink Package		1.2V	•	•
AVEXIR	AVD4UZ126661504G-4IPROG	16G(4G*4)	DS	N/A	Heat-Sink Package		1.2V	•	•
AVEXIR	AVD4UZ126661504G	8G(4G*2)	DS	N/A	Heat-Sink Package		1.2V	•	•
CORSAIR	CMU32GX4M2A2666C16 (Ver5.20)	32GB(2*16GB)	DS	N/A	Heat-Sink Package	16-18-18-35	1.2V	•	•
CORSAIR	CMK32GX4M4A2666C16(Ver3.20)	32GB(8GB*4)	DS	N/A		16-18-18-35	1.2V	•	•
CORSAIR	CMK16GX4M2A2666C16 (Ver3.31)	16GB(2*8GB)	SS	N/A	Heat-Sink Package	16-18-18-35	1.2V	•	•
CORSAIR	CMK32GX4M2A2666C16 (Ver5.39)	32GB(2*16GB)	DS	N/A	Heat-Sink Package	16-18-18-35	1.2V	•	•
CORSAIR	CMK16GX4M4A2666C15 (Ver5.20)	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-17-17-35	1.2V	•	•
CORSAIR	CMK64GX4M4A2666C16 (Ver5.3)	64GB(16GB*4)	DS	N/A	Heat-Sink Package	16-18-18-35	1.2V	•	•
G.SKILL	F4-2666C15Q-32GRR	8G*4	SS	N/A	Heat-Sink Package	15-15-15-35	1.2V	•	•
AVEXIR	AVD4UZ126661704G-4COR	4G*4	SS	N/A	Heat-Sink Package		1.2V	•	•
AVEXIR	AVD4UZ126661708G-4COR	8G*4	SS	N/A	Heat-Sink Package		1.2V	•	•
CORSAIR	CMK32GX4M4A2666C15 (Ver5.20)	32GB(4*8GB)	DS	N/A	Heat-Sink Package	15-17-17-35	1.2V	•	•
TEAM	TFRD4162666C15BBK	16G	DS	N/A	SEC546	15-17-17-35	1.2V	•	•
TEAM	TFWD48G2666C15BBK	8G	DS	N/A	SEC634	15-17-17-35	1.2V	•	•
TEAM	TCD44G2666C15BBK	4G	SS	TEAM	T4D5128HT-266	15-17-17-35	1.2V	•	•
HyperX	HX426C15FBK2/16	8G	DS	N/A	Heat-Sink Package		1.2V	•	•
Klevv	IM48GU88N26-FFFHMZ	8GB	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
Klevv	IM44GU48N26-FFFHAZ	4GB	SS	N/A	Heat-Sink Package	15-15-15	1.2V	•	•
CORSAIR	CMK16GX4M2A2666C16(Ver5.30)	8GB	SS	N/A	Heat-Sink Package	16-18-18-35	1.2V	•	•
ADATA	AX4U2666W4G16-BRZ	4GB	SS	N/A	Heat-Sink Package	16-16-16-39	1.2V	•	•
ADATA	AX4U266638G16-DRZ	16GB (2x 8GB)	SS	N/A	Heat-Sink Package	16-16-16-39	1.2V	•	•
ADATA	AX4U2666W8G16-QRZ	32GB (4x 8GB)	DS	N/A	Heat-Sink Package	16-16-16-39	1.2V	•	•
crucial	BLS8G4D26BFSC.16FBR2	8GB	DS	N/A	Heat-Sink Package	16-18-18-38	1.20V	•	•
crucial	BLS4G4D26BFSC.8FBR2	4GB	SS	N/A	Heat-Sink Package	16-18-18-38	1.20V	•	•
CORSAIR	CMK128GX4M8A2666C16(Ver5.39)	128GB(8*16GB)	DS	N/A	Heat-Sink Package	16-18-18-36	1.20V	•	•
CORSAIR	CMR16GX4M2A2666C16(Ver5.30)	16GB (2x 8GB)	SS	N/A	Heat-Sink Package	16-18-18-35	1.20V	•	•
CORSAIR	CMK128GX4M8A2666C16(Ver5.39)	128GB (8x 16GB)	DS	N/A	Heat-Sink Package	16-18-18-35	1.20V	•	•
CORSAIR	CMR64GX4M8A2666C16(Ver5.30)	64GB (8x 8GB)	SS	N/A	Heat-Sink Package	16-18-18-35	1.20V	•	•
HyperX	HX426C16FB2K4/64	64GB(4*16GB)	DS	N/A	Heat-Sink Package	16-18-18-39	1.20V	•	•
G.SKILL	F4-2666C16Q2-64GRB	64GB (8GBx8)	SS	N/A	Heat-Sink Package	16-16-16-36	1.20V	•	•
HyperX	HX426C15SBK8/128	128GB (16GBx8)	DS	N/A	Heat-Sink Package	15-16-16-35	1.20V	•	•
HyperX	HX424C12PB3/8	32GB (4x 8GB)	SS	N/A	Heat-Sink Package	13-15-15-35	1.35V	•	•
HyperX	HX426C13PB3K2/32	64GB(4*16GB)	DS	N/A	Heat-Sink Package	13-15-15-35	1.35V	•	•
CRUCIAL	BLS8G4D26BFSC.8FBR	8GB	SS	N/A	Heat-Sink Package	16-18-18-38	1.20V	•	•
CRUCIAL	BLS8G4D26BFSC.8FBD	8GB	SS	N/A	Heat-Sink Package	16-18-18-38	1.20V	•	•
MICRON	MTA16ATF2G64AZ-2G6H1	16GB	DS	MICRON	7BH45 D9VHP	19-19-19-43	1.20V	•	•
MICRON	MTA8ATF1G64AZ-2G6H1	8GB	SS	MICRON	7BH45 D9VHP	19-19-19-43	1.20V	•	•
TIGO	TMKG8G868-2666N	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.20V	•	•
ADATA	AX4U266638G16-BRS	64GB(8x 8GB)	SS	N/A	Heat-Sink Package	16-16-16-39	1.20V	•	•
ADATA	AD4U266638G19-B	8GB*8	SS	N/A	PPE14-075E	19-19-19-43	1.2V	•	•
ADATA	AD4U2666316G19-B	16GB*16	DS	N/A	PPE14-075E	19-19-19-43	1.2V	•	•
PANRAM	W4U2666PS-16G	16GB*2	DS	panram	DDR4-1GM8-26	16-18-18-35	1.2V	•	•
PANRAM	W4U2666PS-8G	8GB*2	DS	panram	DDR4-1GM8-26	16-18-18-35	1.2V	•	•
Team	TPD416G2666HC19BK	16GB	DS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TED416G2666C1901	16GB	DS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPRD416G2666HC1901	16GB	DS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD416G2666HC1901	16GB	DS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TED432G2666C19DC01	16GB	DS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPRD432G2666HC19DC01	16GB	DS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD432G2666HC19DC01	16GB	DS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TED464G2666C19OC01	16GB	DS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPRD464G2666HC19OC01	16GB	DS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD464G2666HC19OC01	16GB	DS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD48G2666HC19BK	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TED48G2666C1901	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPRD48G2666HC1901	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD48G2666HC1901	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TED416G2666C19DC01	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPRD416G2666HC19DC01	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD416G2666HC19DC01	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TED432G2666C19OC01	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPRD432G2666HC19OC01	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD432G2666HC19OC01	8GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD44G2666HC19BK	4GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TED44G2666C1901	4GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPRD44G2666HC1901	4GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD44G2666HC1901	4GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TED48G2666C19DC01	4GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPRD48G2666HC19DC01	4GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD48G2666HC19DC01	4GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TED416G2666C19OC01	4GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPRD416G2666HC19OC01	4GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•
Team	TPD416G2666HC19OC01	4GB	SS	N/A	Heat-Sink Package	19-19-19-43	1.2V	•	•

DDR4 2800 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	#M 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	•	•	•
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	•	•
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 CJBR4	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.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
CORSAIR	CMD32GX4M2B3000C15(Ver4.31)	32GB (16GB*2)	DS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
KINGSTON	HX430C15PB2K4/16	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36-50	1.35V	•	•	
G.SKILL	F4-3000C15Q-16GRR	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-35	1.35V	•	•	
PANRAM	PUD4300C154G4NJW	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
KINGSTON	HX430C15SB2K4/32	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-36-50	1.35V	•	•	
AVEXIR	AVD4UZ130001604G-4COB	16GB (4GB*4)	SS	N/A	Heat-Sink Package	15-15-15-36-51	1.35V	•	•	
AVEXIR	AVD4UZ130001608G-4COB	32GB (8GB*4)	DS	N/A	Heat-Sink Package	15-15-15-36-51	1.35V	•	•	
KINGSTON	HX430C15SB2K2/16	16GB (8GB*2)	DS	N/A	Heat-Sink Package	15-15-15-36-50	1.35V	•	•	
KLEVV	IM44GU48A30-GIIHMC	16GB (4GB*4)	SS	N/A	Heat-Sink Package	16-18-18	1.35V	•	•	
CORSAIR	CMK16GX4M2B3000C15 (Ver4.24)	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	•	•	
TEAM	TDGED48G3000HC16ABK	16GB (8GB*2)	DS	N/A	Heat-Sink Package	16-16-16-36	1.35V	•	•	
PATRIOT	PV416G300C6QK	16GB (4GB*4)	SS	N/A	Heat-Sink Package	16-16-16-36	1.35V	•	•	
G.SKILL	F4-3000C15D-32GVR	32GB (16GB*2)	DS	N/A	Heat-Sink Package	15-15-15-35	1.35V	•	•	
CORSAIR	CMK64GX4M4B3000C15 (Ver4.31)	64GB (16GB*4)	DS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
TEAM	TCD48G300C16ABK	8G	SS	Skhymix	H5AN8G8NMFR	16-16-16-36	1.35V	•	•	
ADATA	AX4U300038G16-DBZ	8G	DS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•	
ADATA	AX4U3000316G16-BGZ	16G	DS	N/A	Heat-Sink Package	16-18-18	1.35V	•	•	
CORSAIR	CMD16GX4M4B3000C15(Ver4.24)	4G	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
CORSAIR	CMK32GX4M2B3000C15(Ver5.39)	16G	DS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
CORSAIR	CMU16GX4M2C3000C15 (Ver4.31)	8G	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
CORSAIR	CMK16GX4M4B3000C15(Ver3.21)	4G	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
G.SKILL	F4-3000C15Q-32GRK	8G*4	DS	N/A	Heat-Sink Package	15-15-15-35	1.35V	•	•	
CORSAIR	CMK8GX4M2B3000C15(Ver3.21)	8GB(2*4GB)	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
CORSAIR	CMU32GX4M4C3000C15 (Ver5.3)	32GB(8GB*4)	DS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
GEIL	GFR416GB3000C15ADC	8G	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
TEAM	TFWD416G3000C16CBK	16G	DS	TEAM	T4D10248HT-30	16-18-18-38	1.35V	•	•	
TEAM	TFRD48G3000C16CBK	8G	DS	N/A	SEC625	16-18-18-38	1.35V	•	•	
TEAM	TCD44G3000C16CBK	4G	SS	TEAM	T4D5128HT-30	16-18-18-38	1.35V	•	•	
Klevv	IM4AGU88A30-FGGHMZ	16GB	DS	N/A	Heat-Sink Package	15-16-16	1.35V	•	•	
Klevv	IM48GU88A30-FGGHMZ	8GB	SS	N/A	Heat-Sink Package	15-16-16	1.35V	•	•	
Klevv	IM44GU48A30-FGGHAZ	4GB	SS	N/A	Heat-Sink Package	15-16-16	1.35V	•	•	
Klevv	IM48GU88A30-FGGHMB	8GB	SS	N/A	Heat-Sink Package	15-16-16	1.35V	•	•	
Klevv	IM44GU48A30-FGGHAB	4GB	SS	N/A	Heat-Sink Package	15-16-16	1.35V	•	•	
Klevv	IM4AGU88A30-FGGHMB	16GB	DS	N/A	Heat-Sink Package	15-16-16	1.35V	•	•	
CORSAIR	CMD16GX4M2B3000C15(Ver5.30)	16GB (2x 8GB	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
CORSAIR	CMD32GX4M4C3000C15(Ver5.30)	32GB (4x 8GB	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
FORZA	NFMUD480E8-3000DH2A	8GB	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
CORSAIR	CMR16GX4M2C3000C15(Ver4.31)	16GB (2x 8GB	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
CORSAIR	CMR32GX4M4C3000C15	32GB (4x 8GB	DS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
Team	TDRRD48G3000HC16CBK	8GB	DS	N/A	Heat-Sink Package	16-18-18-38	1.35V	•	•	
Team	TDRGD48G3000HC16CBK	8GB	DS	N/A	Heat-Sink Package	16-18-18-38	1.35V	•	•	
GALAXY	HOF DDR4-3000	16GB (2x 8GB	SS	N/A	Heat-Sink Package	16-18-18-38	1.35V	•	•	
GeIL	GLR416GB3000C15ADC	8GB	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
G.SKILL	F4-3000C15S-16GVR	16GB	DS	N/A	Heat-Sink Package	15-15-15-35	1.35V	•	•	
FORZA	NMUD416E82-3000DB30	16GB	DS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
FORZA	NMUD480E82-3000DB30	8GB	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•	
PATRIOT	PV432G300C6QK	32GB (4x 8GB	SS	N/A	Heat-Sink Package	16-16-16-36	1.35V	•	•	
HyperX	HX430C15PB3K4/32	32GB (4x 8GB	SS	N/A	Heat-Sink Package	15-17-17-36	1.35V	•	•	
CRUCIAL	BLT8G4D30AETA.K16FE	8GB	DS	N/A	Heat-Sink Package	15-16-16-35	1.35V	•	•	
PATRIOT	PVE416G300C6KBL	16GB (2x 8GB	SS	N/A	Heat-Sink Package	16-16-16-36	1.35V	•	•	

PATRIOT	PVE48G300C6KRD	8GB (2x 4GB)	SS	N/A	Heat-Sink Package	16-16-16-36	1.35V	•	•
G.SKILL	F4-3000C14Q2-128GVKD	128GB (16GBx8)	DS	N/A	Heat-Sink Package	14-14-14-34	1.35V	•	•
Team	TF3D48G3000HC16CBK	8GB	SS	N/A	Heat-Sink Package	16-18-18-38	1.35V	•	•
Team	TF4D48G3000HC16CBK	8GB	SS	N/A	Heat-Sink Package	16-18-18-38	1.35V	•	•
GALAXY	N/A	16GB (2x 8GB)	SS	N/A	Heat-Sink Package	16-18-18-38	1.35V	•	•
TIGO	TMKU8GF58-3000X	8GB	DS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•
CORSAIR	CMK16GX4M2B3000C15R (Ver5.30)	8GB*2	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•
CORSAIR	CMK16GX4M2B3000C15R (Ver3.32)	8GB*2	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•
ADATA	AX4U300038G16-BRS	64GB(8x 8GB)	SS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•
ADATA	AX4U300038G16-BBG	64GB(8x 8GB)	SS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•
Hyper X	HX430C15PB3/8	8GB	SS	N/A	Heat-Sink Package	15-17-17-36	1.35V	•	•
Hyper X	HX430C15PB3K2/16	16GB (2x 8GB)	SS	N/A	Heat-Sink Package	15-17-17-36	1.35V	•	•
TEKISM	T4X3000B8G17-HY	8GB	DS	N/A	Heat-Sink Package	17-17-17-36	1.35V	•	•
CORSAIR	CMK16GX4M2B3000C15 (Ver5.39)	16GB (2x 8GB)	SS	N/A	Heat-Sink Package	15-17-17-35	1.35V	•	•
G.SKILL	F4-3000C16D-16GTZR	16GB (2x 8GB)	SS	N/A	Heat-Sink Package	16-18-18-38	1.35V	•	•

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	
PANRAM	PUD43200C164G4NJW	16GB (4GB*4)	SS	N/A	Heat-Sink Package	16-18-18-39	1.35V	•	•	•	
MUSHKIN	997202F	8GB (4GB*2)	SS	N/A	Heat-Sink Package	15-15-15-36	1.2V	•	•	•	
G.SKILL	F4-3200C16D-8GVKB	8GB (4GB*2)	SS	N/A	Heat-Sink Package	16-18-18-38	1.35V	•	•	•	
APACER	78.BAGMD.AF20B	8GB (4GB*2)	SS	N/A	Heat-Sink Package	16-16-16-36	1.35V	•	•	•	
PATRIOT	PV48G320C6K	8GB (4GB*2)	SS	N/A	Heat-Sink Package		1.35V	•	•	•	
HyperX	HX432C16PB3K4/32	32GB(8GB*4)	SS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•	•	
ADATA	AX4U3200W8G16-BGZ		DS	N/A	Heat-Sink Package	16-16-16	1.35V	•	•	•	
TEAM	TFWD416G3200C16CBK	16G	DS	N/A	SEC546	16-18-18-38	1.35V	•	•	•	
TEAM	TFWD48G3200C16CBK	8G	DS	N/A	SEC613	16-18-18-38	1.35V	•	•	•	
G.SKILL	F4-3200C16D-16GTZR	8GB*2	SS	N/A	Heat-Sink Package	18-18-18-38	1.35V	•	•	•	
CORSAIR	CMD16GX4M2B3200C16(Ver3.21)	16G	DS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•	•	
CORSAIR	CMK16GX4M2B3200C16(Ver4.24)	32GB(2*16GB)	DS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•	•	
CORSAIR	CMU16GX4M2C3200C16(Ver5.39)	64GB (8 x)	SS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•	•	
CORSAIR	CMK64GX4M8B3200C16(Ver4.31)	16GB (2x 8GB)	DS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•	•	
CORSAIR	CMU16GX4M2C3200C16(Ver5.39)	16GB (2x 8GB)	SS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•	•	
G.SKILL	F4-3200C16S-8GRKB	8GB	SS	N/A	Heat-Sink Package	16-18-18-38	1.35V	•	•	•	
CORSAIR	CMU32GX4M2C3200C16(Ver5.39)	32GB(2*16GB)	DS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•	•	
ADATA	AX4U320038G16-BRS	8GB*8	SS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•	•	
Hyper X	HX432C16PB3K2/16	16GB (2x 8GB)	SS	N/A	Heat-Sink Package	16-18-18-36	1.35V	•	•	•	
TIGO	TMKG8G3200C16.RGB	8GB	SS	N/A	Heat-Sink Package	16-18-18-38	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.