

Pro WS X570-ACE

DDR4 2133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
Apacer	78.B1GM3.AF00B	4x 4GB	15-15-15-36	1.2	•	•	•
Apacer	78.C1GM3.AF10B	4x 8GB	15-15-15-36	1.2	•	•	
Apacer	AHU08GGB13CGT7G	4x 8GB	15-15-15-36	1.2	•	•	
Apacer	AU04GGB13CDWBGH	4GB	15-15-15-36	1.2	•	•	•
Apacer	AU08GGB13CDYBGH	8GB	15-15-15-36	1.2	•	•	•
Apacer	EL.04G2R.LDH	4GB	15-15-15-36	1.2	•	•	•
Apacer	EL.08G2R.GDH	8GB	15-15-15-36	1.2	•	•	•
CENTURY MICRO INC	CD8G-D4U2133	8GB	15-15-15-36	-	•	•	•
CENTURY MICRO INC	CK8GX4-D4U2133	4x 8GB	15-15-15-35	1.2	•	•	•
CORSAIR	CMK16GX4M4A2133C13(Ver4.23)(XMP)	4x 4GB	13-15-15-28	1.2	•	•	•
CORSAIR	CMK32GX4M2A2133C13(Ver4.31)(XMP)	2x 16GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMK32GX4M4A2133C13(Ver4.23)(XMP)	4x 8GB	13-15-15-28	1.2	•	•	•
CORSAIR	CMK32GX4M4A2133C15(Ver3.20)	4x 8GB	15-15-15-36	1.2	•	•	
CORSAIR	CMK32GX4M4A2133C15(Ver5.29)	4x 8GB	15-15-15-36	1.2	•	•	
CORSAIR	CMK64GX4M8A2133C13(Ver5.39)(XMP)	8x 8GB	14-15-15-28	1.2	•	•	•
CORSAIR	CMV16GX4M1A2133C15	16GB	15-15-15-36	-	•	•	
CORSAIR	CMV4GX4M1A2133C15	4GB	15-15-15-36	1.2	•	•	
CORSAIR	CMV8GX4M1A2133C15	8GB	15-15-15-36	1.2	•	•	•
crucial	CT4G4DFS8213.8FA2	4GB	15-15-15-36	1.2	•	•	•
crucial	CT4G4DFS8213.8FB1	4GB	15-15-15-36	1.2	•	•	•
crucial	CT8G4DFS8213.8FB1	8GB	15-15-15-36	1.2	•	•	•
G.SKILL	F4-2133C15Q-16GRR	4x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q2-128GVK	8x 16GB	15-15-15-36	1.2	•	•	•
G.SKILL	F4-2133C15Q2-64GRR	8x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-32GRR	4x 8GB	15-15-15-35	-	•	•	•
GelL	GPR416GB2133C15QC	4x 4GB	15-15-15-36	1.2	•	•	•
GelL	GPR432GB2133C15QC	4x 8GB	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SB/4(XMP)	4GB	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SB/8(XMP)	8GB	15-15-15-36	1.2	•	•	
Hyper X	HX421C13SBK2/16(XMP)	2x 8GB	15-15-15-36	1.2	•	•	
Hyper X	HX421C13SBK2/8(XMP)	2x 4GB	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SBK4/16(XMP)	4x 4GB	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SBK4/32(XMP)	4x 8GB	15-15-15-36	1.2	•	•	
Hyper X	HX421C14FB/4	4GB	14-14-14-35	1.2	•	•	
Hyper X	HX421C14FB/8	8GB	14-14-14-35	1.2	•	•	
Hyper X	HX421C14FB2K4/32(XMP)	4x 8GB	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FBK2/16	2x 8GB	14-14-14-35	1.2	•	•	
Hyper X	HX421C14FBK2/8	2x 4GB	14-14-14-35	1.2	•	•	
Hyper X	HX421C14FBK4/16	4x 4GB	14-14-14-35	1.2	•	•	
Hyper X	HX421C14FBK4/32	4x 8GB	14-14-14-35	1.2	•	•	
Hyper X	HX421C14FBK4/64	4x 16GB	15-15-15-35	1.2	•	•	•
Hyper X	HX421C14FBK8/64	8x 8GB	14-14-14-35	1.2	•	•	

Kingston	KVR21N15D8/16	16GB	15-15-15-36	1.2	•	•	•
Kingston	KVR21N15D8/8	8GB	15-15-15-37	1.2	•	•	
Klevv	IM44GU48N21-FFFHAB(XMP)	4GB	15-15-15-35	1.2	•	•	
Klevv	IM48GU88N21-FFFHMB(XMP)	8GB	15-15-15-35	1.2	•	•	•
Klevv	IM4AGU88N21-FFFHMB(XMP)	16GB	15-15-15-35	1.2	•	•	
Klevv	KM4C8GX4N-2133-15-15-15-35-0	8GB	15-15-15-35	1.2	•	•	
Klevv	KM4C8GX4N-2133-15-15-15-35-1	4x 8GB	15-15-15-35	1.2	•	•	
Micron	MTA8ATF1G64AZ-2G1B1	8GB	15-15-15-36	1.2	•	•	•
Micron	MTA8ATF51264AZ-2G1A2	4GB	15-15-15-36	-	•	•	•
panram	W4U2133PS-8G	8GB	16-16-16-36	-	•	•	•
SanMax	SMD-4G28HP-21P	4GB	15-15-15-37	-	•	•	
SanMax	SMD-8G28HP-21P	8GB	15-15-15-37	-	•	•	•
Silicon Power	SP004GBLFU213N01	4GB	15-15-15-37	-	•	•	•
Silicon Power	SP008GBLFU213N01	8GB	15-15-15-37	-	•	•	•
SK Hynix	HMA41GU7AFR8N-TF	8GB	15-15-15-36	-	•	•	
SK Hynix	HMA451U7AFR8N-TF	4GB	15-15-15-36	-	•	•	•
SK Hynix	HMA82GU6MFR8N-TF	16GB	15-15-15-36	-	•	•	•
SK Hynix	HMA82GU7MFR8N-TF	16GB	15-15-15-36	-	•	•	
SUPER TALENT	FBU2B008GM	8GB	15-15-15-36	1.2	•	•	•
Team	TED416G2133C15BK	16GB	15-15-15-36	1.2	•	•	
Team	TED44GM2133C15ABK	4GB	15-15-15-36	1.2	•	•	
UMAX	84G44G93MC-21OMCALGF15	4GB	15-15-15-36	-	•	•	
UMAX	84G48G93MC-21OMCGNGF15	8GB	15-15-15-36	-	•	•	
V-color	TC48G21S815-IMS	8GB	15-15-15-36	1.2	•	•	

4-DIMM

- **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 A2 slots or the B2 slots that operates in a dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into all slots as two pairs DIMMs operating in a dual-channel memory configuration

DDR4 2400 Qualified Vendors List (QVL)							
Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
ADATA	AD4U2400316G17	16GB	17-17-17-39	1.2	•	•	
ADATA	AD4U2400W8G17	8GB	17-17-17-39	1.2	•	•	
ADATA	AD4X240038G17	8GB	17-17-17-39	1.2	•	•	
ADATA	AD4X2400W4G17	4GB	17-17-17-39	1.2	•	•	
Antec	AMD4UZ124001508G-3S	8GB	15-15-15-39	1.2	•	•	
Antec	AMD4UZ124001608G-5S	8GB	16-16-16-36	1.2	•	•	
Apacer	78.C1GMS.4010B	4x 8GB	17-17-17-39	-	•	•	•
Apacer	AHU08GGB24CDU7G(XMP)	8GB	16-16-16-36	1.2	•	•	
Apacer	AU04GGB24CETBGH	4GB	17-17-17-39	1.2	•	•	
Apacer	AU04GGB24CEWBGH	4GB	17-17-17-39	-	•	•	
Apacer	AU08GGB24CEYBGH	8GB	17-17-17-39	-	•	•	
Apacer	EK.08G2T.GEC(XMP)	8GB	17-17-17-39	-	•	•	
Apacer	EL.04G2T.KFH	4GB	17-17-17-39	1.2	•	•	
Apacer	EL.04G2T.LFH	4GB	17-17-17-39	-	•	•	
Apacer	EL.08G2T.GFH	8GB	17-17-17-39	-	•	•	
Apacer	EL.08G2T.GFM	8GB	17-17-17-39	-	•	•	
Asgard	VML41UE-MIC1U22Q1	2GB	17-17-17-39	1.2	•	•	
CORSAIR	CMK128GX4M8A2400C14(Ver3.31)(XMP)	8x 16GB	15-16-16-31	1.2	•	•	•
CORSAIR	CMK16GX4M2A2400C16(Ver3.31)(XMP)	2x 8GB	15-15-15-36	1.2	•	•	
CORSAIR	CMK16GX4M2D2400C14(Ver4.21)(XMP)	2x 8GB	14-16-16-31	1.2	•	•	
CORSAIR	CMK16GX4M2Z2400C16(Ver3.31)	2x 8GB	16-16-16-39	1.2	•	•	
CORSAIR	CMK16GX4M4A2400C14(Ver4.23)(XMP)	4x 4GB	14-16-16-31	1.2	•	•	•
CORSAIR	CMK16GX4M4A2400C14(Ver5.20)(XMP)	4x 4GB	14-16-16-31	1.2	•	•	•
CORSAIR	CMK32GX4M4A2400C14(Ver3.31)(XMP)	4x 8GB	14-16-16-31	1.2	•	•	•
CORSAIR	CMK32GX4M4A2400C14(Ver4.23)(XMP)	4x 8GB	14-16-16-31	1.2	•	•	•
CORSAIR	CMK32GX4M4A2400C16(Ver3.31)(XMP)	4x 8GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMK64GX4M4A2400C14(Ver3.31)(XMP)	4x 16GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMK64GX4M4A2400C14(Ver4.31)(XMP)	4x 16GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMK64GX4M4A2400C16(Ver3.32)(XMP)	4x 16GB	16-16-16-39	1.2	•	•	
CORSAIR	CMK8GX4M2D2400C14(Ver3.11)(XMP)	2x 4GB	14-16-16-31	1.2	•	•	
crucial	BLS16G4D240FSB.16FBD(XMP)	16GB	16-16-16-39	1.2	•	•	
crucial	BLS4G4D240FSB.8FBD(XMP)	4GB	16-16-16-39	1.2	•	•	
crucial	BLS8G4D240FSBK.8FBD(XMP)	8GB	16-16-16-39	1.2	•	•	
crucial	CT16G4DFD824A.16FB1	16GB	17-17-17-39	1.2	•	•	
crucial	CT16G4DFD824A.C16FDR1	16GB	17-17-17-39	1.2	•	•	
G.SKILL	F4-2400C14Q2-128GRK(XMP)	8x 16GB	14-14-14-34	1.2	•	•	•
G.SKILL	F4-2400C14Q2-128GRK(XMP)	8x 16GB	15-15-15-36	1.2	•	•	•
G.SKILL	F4-2400C14Q2-128GRK(XMP)	8x 16GB	14-14-14-34	1.2	•	•	•
G.SKILL	F4-2400C15Q-16GRR(XMP)	4x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q2-128GRK(XMP)	8x 16GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q2-128GVK(XMP)	8x 16GB	15-15-15-36	1.2	•	•	•
G.SKILL	F4-2400C15Q2-64GRK(XMP)	8x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-32GRR(XMP)	4x 8GB	15-15-15-35	1.2	•	•	•

GALAX	Gamer Aurira Vision (XMP)	8GB	17-16-16-36	1.2	•	•
Gell	GASB416GB2400C16QC(XMP)	4GB	16-16-16-36	1.2	•	•
Gell	GASB432GB2400C16QC(XMP)	8GB	16-16-16-36	1.2	•	•
Gell	GEL416GB2400C17SC	16GB	17-17-17-39	-	•	•
Gell	GEL48GB2400C17SC	8GB	17-17-17-39	-	•	•
Gell	GFR416GB2400C16S(XMP)	16GB	16-16-16-36	1.2	•	•
Gell	GFR432GB2400C16D(XMP)	16GB	16-16-16-36	1.2	•	•
Gell	GLR464GB2400C14QC(XMP)	4x 16GB	14-14-14-35	1.2	•	•
Gell	GLS48GB2400C16DC(XMP)	4GB	16-16-16-36	1.2	•	•
Gell	GPR416GB2400C15QC(XMP)	4x 4GB	15-15-15-35	1.2	•	•
Gell	GPR432GB2400C16QC(XMP)	4x 8GB	16-16-16-36	1.2	•	•
GLOWAY	TYP4U2400D17021C	2GB	17-17-17-39	1.2	•	•
Hyper X	HX424C12PB2K4/16(XMP)	4x 4GB	12-13-13-35	1.2	•	•
Hyper X	HX424C12SB2/4(XMP)	4GB	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2/8(XMP)	8GB	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2K2/16(XMP)	2x 8GB	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2K2/16(XMP)	2x 8GB	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2K4/16(XMP)	4x 4GB	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2K4/32(XMP)	4x 8GB	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2K4/32(XMP)	4x 8GB	15-15-15-36	1.35	•	•
Hyper X	HX424C15B2K4/32(XMP)	4x 8GB	15-15-15-35	1.2	•	•
Hyper X	HX424C15FB/4	4GB	15-15-15-35	1.2	•	•
Hyper X	HX424C15FB/8(XMP)	8GB	14-14-14-32	1.2	•	•
Hyper X	HX424C15FB2/8(XMP)	8GB	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK2/32	2x 16GB	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK2/32	2x 16GB	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK2/8	2x 4GB	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK4/16	4x 4GB	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK4/16	4x4GB	14-14-14-32	1.2	•	•
Hyper X	HX424C15FBK4/32	4x 8GB	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK4/32	4x 8GB	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK4/64	4x 16GB	15-15-15-35	1.2	•	•
J&A	JRLL4U2400172408-8M	8GB	17-17-17-39	1.2	•	•
J&A	JRLL4U2400172408-4M	4GB	17-17-17-39	1.2	•	•
KINGMAX	GLLF62F-DAKZIG-CLBU	4GB	17-17-17-39	-	•	•
KINGMAX	GLLH22F-18KIIA-CFBU2	16GB	17-17-17-39	-	•	•
Kingston	KVR24N17D8/16	16GB	17-17-17-39	1.2	•	•
Kingston	KVR24N17D8/8	8GB	17-17-17-39	1.2	•	•
Kingston	KVR24N17S6/4	4GB	17-17-17-39	1.2	•	•
Kingston	KVR24N17S8/4	4GB	17-17-17-39	1.2	•	•
Kingston	KVR24N17S8/8	8GB	17-17-17-39	1.2	•	•
Klevv	IM44GU48N24-FFFHAB(XMP)	4GB	15-15-15-35	1.2	•	•
Klevv	IM44GU48N24-FFFHAZ(XMP)	4GB	15-15-15-35	1.2	•	•
Klevv	IM48GU88N24-FFFHMB(XMP)	8GB	15-15-15-35	1.2	•	•
Klevv	IM48GU88N24-FFFHMZ(XMP)	8GB	15-15-15-35	1.2	•	•
Klevv	IM4AGU88N24-FFFHMZ(XMP)	16GB	15-15-15-35	1.2	•	•

Micron	MTA16ATF2G64AZ-2G3B1	16GB	17-17-17-39	1.2	•	•
panram	W4U2400PS-8G	8GB	14-14-14-31	-	•	•
PATRIOT	PSD416G24002	16GB	17-17-17-39	1.2	•	•
PATRIOT	PSD44G240081	4GB	16-16-16-39	1.2	•	•
PATRIOT	PSD48G240081	8GB	17-17-17-39	1.2	•	•
PATRIOT	PSD48G240082	8GB	17-17-17-39	1.2	•	•
PATRIOT	PVE416G240C5KRD(XMP)	2x 8GB	15-15-15-35	-	•	•
PATRIOT	PVE48G240C5KRD(XMP)	2x 4GB	15-15-15-35	-	•	•
SK Hynix	HMA81GU6AFR8N-UH	8GB	17-17-17-39	-	•	•
SK Hynix	HMA851U6AFR6N-UH	4GB	17-17-17-39	-	•	•
Team	TCD44G2400C14BK(XMP)	4GB	14-16-16-31	1.2	•	•
Team	TCD48G2400C14BK(XMP)	8GB	15-16-16-31	1.2	•	•
Team	TED416G2400C16BK	16GB	16-16-16-39	1.2	•	•
Team	TED416G2400C16DC01	2x 8GB	16-16-16-39	1.2	•	•
Team	TED416G2400C16QC01	4x 4GB	16-16-16-39	1.2	•	•
Team	TED432G2400C16QC01	4x 8GB	16-16-16-39	1.2	•	•
Team	TED44G2400C1601	4GB	16-16-16-39	1.2	•	•
Team	TED44G2400C16BK	4GB	16-16-16-39	1.2	•	•
Team	TED48G2400C1601	8GB	16-16-16-39	1.2	•	•
Team	TED48G2400C16BK	8GB	16-16-16-39	1.2	•	•
Team	TED48G2400C16BK	8GB	16-16-16-39	1.2	•	•
Team	TED48G2400C16DC01	2x 4GB	16-16-16-39	1.2	•	•
Team	TF3D48G2400HC15BBK(XMP)	8GB	15-17-17-35	1.2	•	•
Team	TF4D48G2400HC15BBK(XMP)	8GB	15-17-17-35	1.2	•	•
Team	TLTYD416G2400HC14DC01(XMP)	2x 8GB	14-16-16-31	1.2	•	•
Team	TLTYD432G2400HC15BDC01(XMP)	2x 16GB	15-17-17-35	1.2	•	•
Team	TPD416G2400HC16DC01	2x 8GB	16-16-16-39	1.2	•	•
Team	TPD416G2400HC16QC01	4x 4GB	16-16-16-39	1.2	•	•
Team	TPD432G2400HC16QC01	4x 8GB	16-16-16-39	1.2	•	•
Team	TPD44G2400HC1601	4GB	16-16-16-39	1.2	•	•
Team	TPD48G2400HC1601	8GB	16-16-16-39	1.2	•	•
Team	TPD48G2400HC16DC01	2x 4GB	16-16-16-39	1.2	•	•
Team	TPRD416G2400HC16DC01	2x 8GB	16-16-16-39	1.2	•	•
Team	TPRD416G2400HC16QC01	4x 4GB	16-16-16-39	1.2	•	•
Team	TPRD432G2400HC16QC01	4x 8GB	16-16-16-39	1.2	•	•
Team	TPRD44G2400HC1601	4GB	16-16-16-39	1.2	•	•
Team	TPRD48G2400HC1601	8GB	16-16-16-39	1.2	•	•
Team	TPRD48G2400HC16DC01	2x 4GB	16-16-16-39	1.2	•	•
V-color	TD4G8C17-UH	4GB	15-15-15-36	1.2	•	•

4-DIMM

- **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 A2 slots or the B2 slots that operates in a dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into all slots as two pairs DIMMs operating in a dual-channel memory configuration

DDR4 2666 Qualified Vendors List (QVL)							
Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
ADATA	AD4U2666316G19-B	16GB	19-19-19-43	1.2	•	•	
ADATA	AD4U266638G19	8GB	19-19-19-43	1.2	•	•	
ADATA	AD4U266638G19-B	8GB	19-19-19-43	1.2	•	•	
ADATA	AD4U2666W4G19	4GB	19-19-19-43	1.2	•	•	
ADATA	AO2P26KCST2	16GB	19-19-19-43	1.2	•	•	
ADATA	AX4U266638G16-BRS(XMP)	8GB	16-16-16-39	1.2	•	•	
ADATA	AX4U266638G16-BRS(XMP)	8GB	16-16-16-39	1.2	•	•	
ADATA	AX4U266638G16-BRZ(XMP)	8GB	16-16-16-39	1.2	•	•	
ADATA	AX4U266638G16-DRZ(XMP)	2x 8GB	16-16-16-39	1.2	•	•	
ADATA	AX4U2666W4G16-BRZ(XMP)	4GB	16-16-16-39	1.2	•	•	
AITC	AID48G26RDZ	8GB	19-19-19-43	-	•	•	
Antec	AMD4UZ126661608G-5S(XMP)	8GB	16-18-18-35	1.2	•	•	
Apacer	AHU08GGB26CDU7G(XMP)	8GB	16-16-16-36	1.2	•	•	
Apacer	AU04GGB26CQTBGH	4GB	19-19-19-43	-	•	•	
Apacer	AU04GGB26CQWBGH	4GB	19-19-19-43	1.2	•	•	
Apacer	AU08GGB26CQYBGH	8GB	19-19-19-43	1.2	•	•	
Apacer	AU08GGB26CQYBGH	8GB	19-19-19-43	-	•	•	
Apacer	AU16GGB26CQYBGH	16GB	19-19-19-43	1.2	•	•	
Apacer	EL.04G2V.LNH	4GB	19-19-19-43	1.2	•	•	
Apacer	EL.08G2V.GNH	8GB	19-19-19-43	-	•	•	
Apacer	EL.16G2V.GNH	16GB	19-19-19-43	1.2	•	•	
Asgard	VMA42UH-MEC1U2AJ2(XMP)	16GB	19-19-19-43	1.2	•	•	
CORSAIR	CMD128GX4M8A2666C15(Ver4.31)(XMP)	8x 16GB	15-15-15-36	1.2	•	•	
CORSAIR	CMD16GX4M2A2666C15(Ver4.23)(XMP)	2x 8GB	15-17-17-35	1.2	•	•	
CORSAIR	CMD16GX4M4A2666C15(Ver4.23)(XMP)	4x 4GB	15-17-17-35	1.2	•	•	•
CORSAIR	CMD16GX4M4A2666C16(Ver4.23)(XMP)	4x 4GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMD16GX4M4A2666C16(Ver5.29)(XMP)	4x 4GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMD32GX4M4A2666C15(Ver4.23)(XMP)	4x 8GB	15-17-17-35	1.2	•	•	•
CORSAIR	CMD64GX4M8A2666C15(Ver4.24)(XMP)	8x 8GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMD64GX4M8A2666C15(Ver5.32)(XMP)	8x 8GB	15-17-17-35	1.2	•	•	•
CORSAIR	CMD8GX4M2A2666C15(Ver4.23)(XMP)	2x 4GB	15-17-17-35	1.2	•	•	
CORSAIR	CMD8GX4M2A2666C15(Ver4.23)(XMP)	2x 4GB	15-17-17-35	1.2	•	•	
CORSAIR	CMK128GX4M8A2666C16(Ver3.31)(XMP)	8x 16GB	16-18-18-35	1.2	•	•	
CORSAIR	CMK128GX4M8A2666C16(Ver3.32)(XMP)	8x 16GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK128GX4M8A2666C16(Ver5.39)(XMP)	8x 16GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK16GX4M2A2666C16(Ver5.30)(XMP)	2x 8GB	16-18-18-35	1.2	•	•	
CORSAIR	CMK16GX4M2D2666C16(Ver4.21)(XMP)	2x 8GB	16-18-18-35	1.2	•	•	
CORSAIR	CMK16GX4M4A2666C16(Ver3.21)(XMP)	4x 4GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK16GX4M4A2666C16(Ver3.21)(XMP)	4x 4GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK16GX4M4A2666C16(Ver4.23)(XMP)	4x 4GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK32GX4M2A2666C16(Ver4.31)(XMP)	2x 16GB	16-18-18-35	1.2	•	•	
CORSAIR	CMK32GX4M2A2666C16R(Ver3.31)(XMP)	2x 16GB	15-15-15-36	1.2	•	•	
CORSAIR	CMK32GX4M4A2666C15(Ver4.23)(XMP)	4x 8GB	15-17-17-35	1.2	•	•	•

CORSAIR	CMK32GX4M4A2666C16(Ver3.20)(XMP)	4x 8GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMK32GX4M4A2666C16(Ver3.21)(XMP)	4x 8GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK32GX4M4A2666C16(Ver5.30)(XMP)	4x 8GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK32GX4M4A2666C16(Ver5.30)(XMP)	4x 8GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK32GX4M4A2666C16(Ver5.30)(XMP)	4x 8GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK32GX4M4A2666C16(Ver5.39)(XMP)	4x 8GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK32GX4M4A2666C16R(Ver4.23)(XMP)	4x 8GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK64GX4M4A2666C16(Ver3.31)(XMP)	4x 16GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK64GX4M4A2666C16(Ver4.31)(XMP)	4x 16GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMK8GX2M2D2666C16(Ver3.21)(XMP)	2x 4GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK8GX4M2A2666C16(Ver3.22)(XMP)	2x 4GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMK8GX4M2D2666C16(Ver3.11)(XMP)	2x 4GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMR16GX4M2A2666C16(Ver5.30)(XMP)	2x 8GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMR64GX4M8A2666C16(Ver5.30)(XMP)	8x 8GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMU32GX4M4A2666C16(Ver5.30)(XMP)	4x 8GB	16-18-18-35	1.2	•	•	•
CORSAIR	CMV16GX4M1A2666C18	16GB	18-18-18-43	1.2	•	•	•
CORSAIR	CMV4GX4M1A2666C18	4GB	18-18-18-43	1.2	•	•	•
CORSAIR	CMV8GX4M1A2666C18	8GB	18-18-18-43	1.2	•	•	•
crucial	BLE4G4D26AFEA.8FAD (XMP)	4GB	16-17-17-36	1.2	•	•	•
crucial	BLE8G4D26AFEA.16FAD(XMP)	8GB	16-17-17-36	1.2	•	•	•
crucial	BLS16G4D26BFSB.16FD(XMP)	16GB	16-18-18-38	1.2	•	•	•
crucial	BLS16G4D26BFSC.16FBD(XMP)	16GB	16-18-18-38	1.2	•	•	•
crucial	BLS4G4D26BFSB.8FB(XMP)	4GB	16-18-18-38	1.2	•	•	•
crucial	BLS4G4D26BFSC.8FBR2(XMP)	4GB	16-18-18-38	1.2	•	•	•
crucial	BLS8G4D26BFSBK.8FD(XMP)	8GB	16-18-18-38	1.2	•	•	•
crucial	BLS8G4D26BFSC.16FBR2(XMP)	8GB	16-18-18-38	1.2	•	•	•
crucial	BLS8G4D26BFSC.8FBR(XMP)	8GB	16-18-18-38	1.2	•	•	•
crucial	BLT4G4D26AFTA.8FADG(XMP)	4GB	16-16-16-39	1.2	•	•	•
crucial	BLT4G4D26AFTA.8FADG(XMP)	4x4GB	16-17-17-36	1.2	•	•	•
crucial	BLT8G4D26AFTA.16FAD(XMP)	4x 8GB	16-17-17-36	1.2	•	•	•
crucial	BLT8G4D26AFTA.16FAD(XMP)	8GB	16-16-16-39	1.2	•	•	•
crucial	CT16G4DFD8266.16FE1	16GB	19-19-19-43	1.2	•	•	•
Crucial	CT16G4DFD8266.M16FE	16GB	19-19-19-43	1.2	•	•	•
crucial	CT32G4DFD8266.16FB1	32GB	19-19-19-43	1.2	•	•	•
crucial	CT8G4DFS8266.8FE1	8GB	19-19-19-43	1.2	•	•	•
crucial	CT8G4DFS8266.M8FE	8GB	19-19-19-43	1.2	•	•	•
G.SKILL	F4-2666C16Q2-128GVK(XMP)	8x 16GB	16-16-16-36	1.2	•	•	•
GeIL	GREXR432GB2666C16QC(XMP)	4x 8GB	16-18-18-36	1.35	•	•	•
GeIL	GREXR464GB2666C16QC(XMP)	4x 16GB	16-18-18-36	1.35	•	•	•
Hyper X	HX426C13PB3/16(XMP)	16GB	13-15-15-35	1.35	•	•	•
Hyper X	HX426C13PB3K2/32(XMP)	2x 16GB	13-15-15-35	1.35	•	•	•
Hyper X	HX426C13PB3K4/64(XMP)	4x 16GB	13-15-15-35	1.35	•	•	•
Hyper X	HX426C13SB2/4(XMP)	4GB	15-15-15-36	1.35	•	•	•
Hyper X	HX426C13SB2K2/16(XMP)	2x 8GB	15-15-15-36	1.35	•	•	•
Hyper X	HX426C13SB2K2/8(XMP)	2x 4GB	15-15-15-36	1.35	•	•	•
Hyper X	HX426C13SB2K4/16(XMP)	4x 4GB	15-15-15-36	1.35	•	•	•

Hyper X	HX426C13SB2K4/32(XMP)	4x 8GB	15-15-15-36	1.35	•	•
Hyper X	HX426C15FB/4	4GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FB/4	4GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FB/8	8GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FB/8	8GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK2/16	2x 8GB	15-15-17-35	1.2	•	•
Hyper X	HX426C15FBK2/16	2x 8GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK2/8	2x 4GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK2/8	2x 4GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK4/16	4x 4GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK4/16	4x 4GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK4/16	4x 4GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK4/32	4x 8GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK4/32	4x 8GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15SBK4/64(XMP)	4x 16GB	15-15-15-35	1.2	•	•
Hyper X	HX426C16FB2/8(XMP)	8GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FB2K2/16(XMP)	2x 8GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FB2K4/32(XMP)	4x 8GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FBK4/64	4x 16GB	16-18-18-39	-	•	•
Hyper X	HX426C16FW/16	16GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FWK2/32	2x 16GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FWK4/64	4x 16GB	16-18-18-39	1.2	•	•
J&A	JRLL4U2666172408-8M	8GB	19-19-19-43	1.2	•	•
J&A	JRLL4U2666172408-16M	16GB	19-19-19-43	1.2	•	•
Kingston	KVR26N19D8/16	16GB	19-19-19-43	1.2	•	•
Kingston	KVR26N19S8/8	8GB	19-19-19-43	1.2	•	•
Klevv	IM44GU48N26-FFFHAZ(XMP)	4GB	15-15-15-35	1.2	•	•
Klevv	IM48GU88N26-FFFHMZ(XMP)	8GB	15-15-15-35	1.2	•	•
Klevv	IM4AGU88N26-FFFHMZ(XMP)	16GB	15-15-15-35	1.2	•	•
Klevv	KD44GU481-26N1600(XMP)	4GB	16-18-18-38	1.2	•	•
Klevv	KD48GU481-26N1600(XMP)	8GB	16-18-18-38	1.2	•	•
Micron	MTA16ATF2G64AZ-2G6E1	16GB	19-19-19-43	1.2	•	•
Micron	MTA16ATF2G64AZ-2G6E1	16GB	19-19-19-43	-	•	•
Micron	MTA16ATF4G64AZ-2G6B1	32GB	19-19-19-43	1.2	•	•
Micron	MTA8ATF1G64AZ-2G6E1	8GB	19-19-19-43	1.2	•	•
Micron	MTA8ATF1G64AZ-2G6E1	8GB	19-19-19-43	1.2	•	•
panram	W4U2666PS-16G	2x 16GB	16-18-18-35	1.2	•	•
panram	W4U2666PS-8G	2x 8GB	16-18-18-35	1.2	•	•
SK Hynix	HMA81GU6CJR8N-VK	8GB	19-19-19-43	1.2	•	•
SK Hynix	HMA82GU6CJR8N-VK	16GB	19-19-19-43	-	•	•
SK Hynix	HMA851U6CJR6N-VK	4GB	19-19-19-43	1.2	•	•
SL LINK	J4AGUH1G8QHBC	16GB	19-19-19-43	1.2	•	•
SL LINK	J4BGUS2G8QHBC	32GB	19-19-19-43	1.2	•	•
Team	TED416G2666C1901	16GB	19-19-19-43	1.2	•	•
Team	TED416G2666C19DC01	2x 8GB	19-19-19-43	1.2	•	•

Team	TED416G2666C19QC01	4x 4GB	19-19-19-43	1.2	•	•
Team	TED432G2666C19DC01	2x 16GB	19-19-19-43	1.2	•	•
Team	TED432G2666C19QC01	4x 8GB	19-19-19-43	1.2	•	•
Team	TED44G2666C1901	4GB	19-19-19-43	1.2	•	•
Team	TED44G2666C19BK	4GB	19-19-19-43	1.2	•	•
Team	TED464G2666C19QC01	4x 16GB	19-19-19-43	1.2	•	•
Team	TED48G2666C1901	8GB	19-19-19-43	1.2	•	•
Team	TED48G2666C19DC01	2x 4GB	19-19-19-43	1.2	•	•
Team	TPD416G2666HC1901	16GB	19-19-19-43	1.2	•	•
Team	TPD416G2666HC19BK	16GB	19-19-19-43	1.2	•	•
Team	TPD416G2666HC19DC01	2x 8GB	19-19-19-43	1.2	•	•
Team	TPD416G2666HC19QC01	4x 4GB	19-19-19-43	1.2	•	•
Team	TPD432G2666HC19DC01	2x 16GB	19-19-19-43	1.2	•	•
Team	TPD432G2666HC19QC01	4x 8GB	19-19-19-43	1.2	•	•
Team	TPD44G2666HC1901	4GB	19-19-19-43	1.2	•	•
Team	TPD464G2666HC19QC01	4x 16GB	19-19-19-43	1.2	•	•
Team	TPD48G2666HC1901	8GB	19-19-19-43	1.2	•	•
Team	TPD48G2666HC19BK	8GB	19-19-19-43	1.2	•	•
Team	TPD48G2666HC19DC01	2x 4GB	19-19-19-43	1.2	•	•
Team	TPRD416G2666HC1901	16GB	19-19-19-43	1.2	•	•
Team	TPRD416G2666HC19DC01	2x 8GB	19-19-19-43	1.2	•	•
Team	TPRD416G2666HC19QC01	4x 4GB	19-19-19-43	1.2	•	•
Team	TPRD432G2666HC19DC01	2x 16GB	19-19-19-43	1.2	•	•
Team	TPRD432G2666HC19QC01	4x 8GB	19-19-19-43	1.2	•	•
Team	TPRD44G2666HC1901	4GB	19-19-19-43	1.2	•	•
Team	TPRD464G2666HC19QC01	4x 16GB	19-19-19-43	1.2	•	•
Team	TPRD48G2666HC1901	8GB	19-19-19-43	1.2	•	•
Team	TPRD48G2666HC19DC01	2x 4GB	19-19-19-43	1.2	•	•
Tigo	TMKG8G2666C16(XMP)	8GB	16-18-18-38	1.2	•	•
crucial	CT32G4DFD8266.16FB1	32GB	19-19-19-43	1.2	•	•
SL LINK	J4BGUS2G8QHBC	32GB	19-19-19-43	1.2	•	•

4-DIMM

- **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 A2 slots or the B2 slots that operates in a dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into all slots as two pairs DIMMs operating in a dual-channel memory configuration

DDR4 2800 Qualified Vendors List (QVL)							
Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
Apacer	78.BAGM8.AF20B(XMP)	4x 4GB	17-17-17-36	-	•	•	
G.SKILL	F4-2800C14Q-64GVK(XMP)	4x 16GB	14-14-14-35	1.35	•	•	
G.SKILL	F4-2800C15Q2-128GRKD(XMP)	8x 16GB	15-15-15-36	1.35	•	•	•
G.SKILL	F4-2800C15Q2-64GRK(XMP)	8x 8GB	15-15-15-35	1.25	•	•	
G.SKILL	F4-2800C16Q-16GRK(XMP)	4x 4GB	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GRK(XMP)	4x 8GB	16-16-16-36	1.2	•	•	
GeIL	GPR416GB2800C16QC(XMP)	4x 4GB	16-16-16-36	1.2	•	•	
Hyper X	HX428C14SB2/4(XMP)	4GB	15-15-15-36	1.35	•	•	
Hyper X	HX428C14SB2K2/8(XMP)	2x 4GB	15-15-15-36	1.35	•	•	
Hyper X	HX428C14SB2K4/16(XMP)	4x 4GB	15-15-15-36	1.35	•	•	
KINGMAX	GLMG42F-18KIIA-CJBR4(XMP)	8GB	17-17-17-39	1.2	•	•	
Klevv	IMA451U6MFR8N-DG0(Ver1.05)(XMP)	4GB	16-16-16-36	1.2	•	•	
NEO FORZA	NFMUD416E8-2800EB2A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800EB3A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800EC2A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800EC3A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800ED2A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800EH2A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800EH2A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD480E8-2800DB2A(XMP)	8GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD480E8-2800DB3A(XMP)	8GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD480E8-2800DC2A(XMP)	8GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD480E8-2800DC3A(XMP)	8GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD480E8-2800DD2A(XMP)	8GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD480E8-2800DD3A(XMP)	8GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD480E8-2800DH2A(XMP)	8GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD480E8-2800DH2A(XMP)	8GB	17-17-17-36	-	•	•	

4-DIMM

- **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 A2 slots or the B2 slots that operates in a dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into all slots as two pairs DIMMs operating in a dual-channel memory configuration

DDR4 2933 Qualified Vendors List (QVL)							
Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
CORSAIR	CMK128GX4M8Z2933C16(Ver4.31)	8x 16GB	16-18-18-36	1.35	•	•	•
CORSAIR	CMK128GX4M8Z2933C16(Ver4.31)(XMP)	8x 16GB	16-18-18-36	1.35	•	•	•
G.SKILL	F4-2933C16D-16GFX(XMP)	2x 8GB	16-16-16-36	1.35	•	•	•
G.SKILL	F4-2933C16Q-32GFX(XMP)	4x 8GB	16-16-16-36	1.35	•	•	•
Hyper X	HX429C15PB3AK4/32(XMP)	4x 8GB	15-17-17-39	1.35	•	•	•
Hyper X	HX429C17FB/16(XMP)	16GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FB/4	4GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FB2/8(XMP)	8GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FB2K2/16(XMP)	2x 8GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FB2K4/32(XMP)	4x 8GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FBK2/32(XMP)	2x 16GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FBK2/8	2x 4GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FBK4/16	4x 4GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FBK4/64(XMP)	4x 16GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FR/16(XMP)	16GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FR2/8(XMP)	8GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FR2K2/16(XMP)	2x 8GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FR2K4/32(XMP)	4x 8GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FRK2/32(XMP)	2x 16GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FRK4/64(XMP)	4x 16GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FW/16(XMP)	16GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FW2/8(XMP)	8GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FW2K2/16(XMP)	2x 8GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FW2K4/32(XMP)	4x 8GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FWK2/32(XMP)	2x 16GB	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FWK4/64(XMP)	2x 16GB	17-19-19-39	1.2	•	•	•

4-DIMM

- **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 A2 slots or the B2 slots that operates in a dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into all slots as two pairs DIMMs operating in a dual-channel memory configuration

DDR4 3000 Qualified Vendors List (QVL)							
Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
ADATA	AX4U300038G16-BBG(XMP)	8GB	16-18-18-36	1.35	•	•	
ADATA	AX4U300038G16-BRS(XMP)	8GB	16-18-18-36	1.35	•	•	
ADATA	AX4U300038G16-BRS(XMP)	8GB	16-16-18-36	1.35	•	•	
ADATA	AX4U300038G16-SB41(XMP)	8GB	16-18-18-36	1.35	•	•	
Antec	AMD4UZ130001608G-5S(XMP)	8GB	16-18-18-36	1.35	•	•	
Apacer	EK.16GAW.KFBK2(XMP)	8GB	16-18-18-38	-	•	•	
CORSAIR	CMD16GX4M2B3000C15(Ver4.23)(XMP)	2x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMD16GX4M2B3000C15(Ver5.30)(XMP)	2x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMD16GX4M4B3000C15(Ver4.23)(XMP)	4x 4GB	15-17-17-35	1.35	•	•	•
CORSAIR	CMD16GX4M4B3000C15(Ver4.24)(XMP)	4x 4GB	15-17-17-35	1.35	•	•	•
CORSAIR	CMD32GX4M2B3000C15(Ver5.31)(XMP)	2x 16GB	15-17-17-35	1.35	•	•	
CORSAIR	CMD32GX4M4B3000C15(Ver4.23)(XMP)	4x 8GB	15-17-17-35	1.35	•	•	•
CORSAIR	CMD32GX4M4C3000C15(Ver3.32)(XMP)	4x 8GB	15-17-17-35	1.35	•	•	•
CORSAIR	CMD32GX4M4C3000C15(Ver5.32)(XMP)	4x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMK16GX4M1B3000C15(Ver3.32)(XMP)	16GB	15-17-17-35	1.35	•	•	
CORSAIR	CMK16GX4M2B3000C15(Ver3.32)(XMP)	2x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMK16GX4M2B3000C15(Ver4.23)(XMP)	2x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMK16GX4M2B3000C15(Ver5.30)(XMP)	2x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMK16GX4M2B3000C15(Ver5.30)(XMP)	2x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMK16GX4M2C3000C15(Ver5.30)(XMP)	2x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMK16GX4M2C3000C16(Ver3.31)(XMP)	2x 8GB	16-18-18-36	1.35	•	•	
CORSAIR	CMK16GX4M4B3000C15(Ver5.20)(XMP)	4x 4GB	15-17-17-35	1.35	•	•	•
CORSAIR	CMK32GX4M2B3000C15(Ver4.31)(XMP)	2x 16GB	15-15-15-36	1.35	•	•	
CORSAIR	CMK32GX4M4B3000C15(Ver4.24)(XMP)	4x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMK64GX4M4B3000C15(Ver4.31)(XMP)	4x 16GB	15-17-17-35	1.35	•	•	•
CORSAIR	CMK8GX4M2B3000C15(Ver4.23)(XMP)	2x 4GB	15-17-17-35	1.35	•	•	
CORSAIR	CMR128GX4M8C3000C16(Ver4.31)(XMP)	8x 16GB	16-18-18-36	1.35	•	•	•
CORSAIR	CMR16GX4M2C3000C15(Ver4.31)(XMP)	2x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMR16GX4M2C3000C15(Ver5.30)(XMP)	2x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMR32GX4M2C3000C15(Ver4.31)(XMP)	2x 16GB	15-17-17-35	1.35	•	•	
CORSAIR	CMR32GX4M4C3000C15(Ver3.32)(XMP)	4x 8GB	15-17-17-35	1.35	•	•	•
CORSAIR	CMR32GX4M4C3000C15(Ver5.39)(XMP)	4x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMR64GX4M4C3000C15(Ver3.32)(XMP)	4x 16GB	15-17-17-35	1.35	•	•	•
CORSAIR	CMT32GX4M4C3000C15(Ver5.32)(XMP)	4x 8GB	15-17-17-35	1.35	•	•	
CORSAIR	CMU16GX4M2C3000C15(Ver3.21)(XMP)	2x 8GB	15-15-15-36	1.35	•	•	
CORSAIR	CMW32GX4M4C3000C15(Ver5.32)(XMP)	4x 8GB	15-17-17-35	1.35	•	•	•
CORSAIR	CMW64GX4M8C3000C15(Ver5.32)(XMP)	8x 8GB	15-17-17-35	1.35	•	•	
crucial	BLE4G4D30AEEA.K8FE(XMP)	4GB	15-16-16-35	1.35	•	•	
crucial	BLE8G4D30AEEA.K16FE(XMP)	8GB	15-16-16-35	1.35	•	•	
crucial	BLS16G4D30AESB.M16FE1(XMP)	16GB	15-16-16-35	1.35	•	•	
crucial	BLS8G4D30AESBK.M8FE(XMP)	8GB	15-16-16-35	1.35	•	•	
crucial	BLT4G4D30AETA.K8FE(XMP)	4GB	15-16-16-35	1.35	•	•	

crucial	BLT8G4D30AETA.K16FE(XMP)	8GB	15-16-16-35	1.35	•	•
Crucial	BLT8G4D30BET4K.C8FD(XMP)	8GB	16-18-18-38	1.35	•	•
G.SKILL	F4-3000C14Q2-128GVK(XMP)	8x 16GB	15-15-15-36	1.35	•	• •
G.SKILL	F4-3000C15D-8GTZB(XMP)	2x 4GB	15-16-16-35	1.35	•	•
G.SKILL	F4-3000C15Q-16GRK(XMP)	4x 4GB	15-15-15-35	1.35	•	•
G.SKILL	F4-3000C15Q-32GRK(XMP)	4x 8GB	15-15-15-35	1.35	•	•
G.SKILL	F4-3000C16D-16GTZR(XMP)	2x 8GB	16-18-18-38	1.35	•	•
G.SKILL	F4-3000C16Q2-128GVKB(XMP)	8x 16GB	16-18-18-38	1.35	•	• •
Gell	GEXB432GB3000C15AQC(XMP)	4x 8GB	15-17-17-35	1.35	•	• •
Gell	GLR416GB3000C15ADC(XMP)	8GB	15-17-17-35	1.35	•	•
Gell	GLR416GB3000C16QC(XMP)	4x 4GB	16-16-16-36	1.35	•	• •
Hyper X	HX430C15PB2K4/16(XMP)	4x 4GB	15-16-16-39	1.35	•	•
Hyper X	HX430C15PB3/16(XMP)	16GB	15-17-17-36	1.35	•	•
Hyper X	HX430C15PB3/8(XMP)	8GB	15-17-17-36	1.2	•	•
Hyper X	HX430C15PB3AK4/32(XMP)	4x 8GB	15-17-17-36	1.35	•	• •
Hyper X	HX430C15PB3AK4/64(XMP)	4x 16GB	15-17-17-36	1.35	•	• •
Hyper X	HX430C15PB3K2/16(XMP)	2x 8GB	15-17-17-36	1.35	•	•
Hyper X	HX430C15PB3K2/16(XMP)	2x 8GB	15-17-17-36	1.2	•	•
Hyper X	HX430C15PB3K2/32(XMP)	2x 16GB	15-17-17-36	1.35	•	•
Hyper X	HX430C15PB3K2/32(XMP)	2x 16GB	15-17-17-36	1.35	•	•
Hyper X	HX430C15PB3K2/8(XMP)	2x 4GB	15-17-17-36	1.35	•	•
Hyper X	HX430C15PB3K4/16(XMP)	4x 4GB	15-17-17-36	1.35	•	• •
Hyper X	HX430C15PB3K4/32(XMP)	4x 8GB	15-17-17-36	1.35	•	• •
Hyper X	HX430C15PB3K4/64(XMP)	4x 16GB	15-17-17-36	1.35	•	• •
Hyper X	HX430C15PB3K4/64(XMP)	4x 16GB	15-17-17-36	1.35	•	• •
Hyper X	HX430C15PB3K8/128(XMP)	8x 16GB	15-17-17-36	1.35	•	• •
Hyper X	HX430C15SB2/4(XMP)	4GB	15-15-15-36	1.35	•	•
Hyper X	HX430C15SB2K2/8(XMP)	2x 4GB	15-15-15-36	1.35	•	•
Hyper X	HX430C15SB2K4/16(XMP)	4x 4GB	15-15-15-36	1.35	•	•
Hyper X	HX430C15SB2K4/32(XMP)	4x 8GB	15-17-17-39	1.35	•	•
Hyper X	HX430C16PBK4/64(XMP)	4x 16GB	16-16-16-39	1.35	•	• •
INNO3D	RCX2-16G3000A(XMP)	2x 8GB	16-18-18-36	1.35	•	•
Klevv	IM44GU48A30-FGGHAZ(XMP)	4GB	15-15-16-36	1.35	•	•
Klevv	IM44GU48A30-GIIHMC(XMP)	4GB	16-18-18-36	1.35	•	•
Klevv	IM44GU48N30-FFFHAB(XMP)	4GB	15-15-16-36	1.2	•	•
Klevv	IM48GU88A30-FGGHMZ(XMP)	8GB	15-15-16-36	1.35	•	•
Klevv	IM48GU88N30-FFFHMB(XMP)	8GB	15-15-16-36	1.2	•	•
Klevv	IM4AGU88A30-FGGHMZ(XMP)	16GB	15-15-16-36	1.35	•	•
Klevv	IM4AGU88N30-FFFHMB(XMP)	16GB	15-15-16-36	1.2	•	•
NEO FORZA	NFMUD416E8-3000DB2A(XMP)	16GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DB3A(XMP)	16GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DC2A(XMP)	16GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DC3A(XMP)	16GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DD2A(XMP)	16GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DD3A(XMP)	16GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DH2A(XMP)	16GB	15-17-17-35	-	•	•

NEO FORZA	NFMUD416E8-3000DH2A(XMP)	16GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD480E8-3000DB2A(XMP)	8GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD480E8-3000DB3A(XMP)	8GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD480E8-3000DC2A(XMP)	8GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD480E8-3000DC3A(XMP)	8GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD480E8-3000DD2A(XMP)	8GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD480E8-3000DD3A(XMP)	8GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD480E8-3000DH2A(XMP)	8GB	15-17-17-35	-	•	•
NEO FORZA	NFMUD480E8-3000DH2A(XMP)	8GB	15-17-17-35	-	•	•
NEO FORZA	NMUD416E82-3000DB30(XMP)	16GB	15-17-17-35	-	•	•
NEO FORZA	NMUD480E82-3000DB30(XMP)	8GB	15-17-17-35	-	•	•
PATRIOT	PV416G300C6K(XMP)	2x 8GB	16-16-16-36	-	•	•
PATRIOT	PV416G300C6K(XMP)	4x 8GB	16-16-16-36	1.35	•	• •
PATRIOT	PV48G300C6K(XMP)	4x 4GB	16-16-16-36	1.35	•	•
Team	TCD44G3000C16CBK(XMP)	4GB	16-18-18-38	1.35	•	•
Team	TF3D48G3000HC16CBK(XMP)	8GB	16-18-18-38	1.35	•	•
Team	TF3D48G3000HC16CBK(XMP)	8GB	16-18-18-38	1.35	•	•
Team	TLTYD432G3000HC16CDC01(XMP)	2x 16GB	16-18-18-38	1.35	•	•
V-color	TL48G30S816RGB(XMP)	8GB	16-18-18-38	1.35	•	•
V-color	TL48G30S8SRGB15(XMP)	8GB	15-15-16-35	1.35	•	•
ZADAK	ZD4-MO23000C16-08GAG(XMP)	8GB	16-18-18-38	1.35	•	•

4-DIMM

- **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 A2 slots or the B2 slots that operates in a dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into all slots as two pairs DIMMs operating in a dual-channel memory configuration

DDR4 3200 Qualified Vendors List (QVL)							
Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
ADATA	AX4U3200316G16-QGZ(XMP)	4x 16GB	16-18-18-36	1.35	•	•	
ADATA	AX4U320038G16-BRS(XMP)	8x 8GB	16-18-18-36	1.35	•	•	
ADATA	AX4U320038G16-BRZ(XMP)	8x 8GB	16-18-18-36	1.35	•	•	
Apacer	AH4U08G32C08YNBAA(XMP)	8GB	16-18-18-38	1.2	•	•	
Apacer	AHU08GGB26CDU7M(XMP)	8GB	16-16-16-36	1.35	•	•	•
Apacer	AHU08GGB32CKU7M(XMP)	8GB	16-16-16-36	1.35	•	•	•
CORSAIR	CMD16GX4M4B3200C15(Ver4.23)(XMP)	4x 4GB	15-15-15-36	1.35	•	•	•
CORSAIR	CMD16GX4M4B3200C16(Ver5.29)(XMP)	4x 4GB	16-18-18-36	1.35	•	•	•
CORSAIR	CMD16GX4M4C3200C15(Ver4.24)(XMP)	4x 4GB	15-17-17-35	1.35	•	•	•
CORSAIR	CMD32GX4M2C3200C16(Ver5.39)(XMP)	2x 16GB	16-18-18-36	1.35	•	•	
CORSAIR	CMD64GX4M8B3200C16(Ver4.31)(XMP)	8x 8GB	16-18-18-36	1.35	•	•	•
CORSAIR	CMD64GX4M8B3200C16(Ver5.32)(XMP)	8x 8GB	16-18-18-36	1.35	•	•	•
CORSAIR	CMK16GX4M2B3200C16(Ver4.23)(XMP)	2x 8GB	16-18-18-36	1.35	•	•	
CORSAIR	CMK16GX4M2Z3200C16(Ver4.31)(XMP)	2x 8GB	16-18-18-36	1.35	•	•	
CORSAIR	CMK32GX4M2B3200C16(4.31)(XMP)	2x 16GB	16-18-18-36	1.35	•	•	
CORSAIR	CMK32GX4M2B3200C16(5.39)(XMP)	2x 16GB	16-18-18-36	1.35	•	•	
CORSAIR	CMK32GX4M2Z3200C16(Ver3.31)(XMP)	2x 16GB	16-18-18-36	1.35	•	•	
CORSAIR	CMK64GX4M4B3200C16(Ver4.31)(XMP)	4x 16GB	16-18-18-36	1.35	•	•	•
CORSAIR	CMT32GX4M4C3200C16(Ver4.31)(XMP)	4x 8GB	16-18-18-36	1.35	•	•	•
CORSAIR	CMT32GX4M4Z3200C16(Ver5.32)(XMP)	4x 8GB	16-18-18-36	1.35	•	•	•
CORSAIR	CMT64GX4M4C3200C16(Ver4.31)(XMP)	4x 16GB	16-18-18-36	1.35	•	•	•
CORSAIR	CMW32GX4M2Z3200C16(Ver3.31)(XMP)	2x 16GB	16-18-18-36	1.35	•	•	
CORSAIR	CMW32GX4M4C3200C16(Ver5.32)(XMP)	4x 8GB	16-18-18-36	1.35	•	•	•
crucial	BLE4G4D32AEEA.K8FE(XMP)	4GB	16-18-18-36	1.35	•	•	•
crucial	BLS16G4D32AESB.M16FE(XMP)	16GB	16-18-18-36	1.35	•	•	
crucial	BLS16G4D32AESB.M16FE1(XMP)	16GB	16-18-18-36	1.35	•	•	
crucial	BLS16G4D32AEST.M16FE1(XMP)	16GB	16-18-18-36	1.35	•	•	
Crucial	BLS8G4D32AESBK.8FE(XMP)	8GB	16-18-18-36	1.35	•	•	•
crucial	BLS8G4D32AESTK.M8FE(XMP)	8GB	16-18-18-36	1.35	•	•	•
crucial	BLT8G4D32AET4K.M8FE1(XMP)	8GB	16-18-18-36	1.35	•	•	
crucial	CT16G4DFD832A.16FE1	16GB	22-22-22-52	1.2	•	•	•
crucial	CT16G4DFD832A.16FE1	16GB	22-22-22-54	1.2	•	•	•
crucial	CT4G4DS632A.4FJ1	4GB	22-22-22-52	1.2	•	•	•
crucial	CT8G4DF832A.8FE1	8GB	22-22-22-54	1.2	•	•	•
crucial	CT8G4DFS832A.8FE1	8GB	22-22-22-52	1.2	•	•	•
G.SKILL	F4-3200C14D-16GVK(XMP)	2x 8GB	14-14-14-34	1.35	•	•	
G.SKILL	F4-3200C14Q-32GFX(XMP)	4x 8GB	14-14-14-34	1.35	•	•	•
G.SKILL	F4-3200C14Q-32GTZR(XMP)	4x 8GB	14-14-14-34	1.35	•	•	•
G.SKILL	F4-3200C16D-16GTZ(XMP)	2x 8GB	16-16-16-36	1.35	•	•	
G.SKILL	F4-3200C16D-32GTZA(XMP)	2x 16GB	16-16-16-36	1.35	•	•	
G.SKILL	F4-3200C16Q-32GTRS(XMP)	4x 8GB	16-18-18-38	1.35	•	•	•
G.SKILL	F4-3200C16Q-32GTZB(XMP)	4x 8GB	16-18-18-38	1.35	•	•	
Hyper X	HX432C16PB3A/8(XMP)	8GB	16-18-18-36	1.35	•	•	

Hyper X	HX432C16PB3AK2/16(XMP)	2x 8GB	16-18-18-36	1.35	•	•
Hyper X	HX432C16PB3AK4/32(XMP)	4x 8GB	16-18-18-36	1.35	•	• •
Hyper X	HX432C16PB3AK4/64(XMP)	4x 16GB	16-18-18-36	1.35	•	• •
Hyper X	HX432C16PB3K2/16(XMP)	2x 8GB	16-18-18-36	1.35	•	•
Hyper X	HX432C16PB3K4/64(XMP)	4x 16GB	16-18-18-36	1.35	•	•
Hyper X	HX432C18FB/4	4GB	18-21-21-39	1.2	•	•
Hyper X	HX432C18FBK2/8	2x 4GB	18-21-21-39	1.2	•	•
Hyper X	HX432C18FBK4/16	4x 4GB	18-21-21-39	1.2	•	• •
KINGMAX	GZOG43F-18SIGP(XMP)	8GB	16-18-18-38	1.35	•	•
Klevv	IM48GU88A32-GIISEZ(XMP)	2x 8GB	16-18-18-38	1.35	•	•
Klevv	KD48GU880-32A160T(XMP)	8GB	16-18-18-38	1.35	•	•
Micron	MTA16ATF2G64AZ-3G2E1	16GB	22-22-22-52	1.2	•	•
Micron	MTA16ATF2G64AZ-3G2E1	16GB	22-22-22-54	1.2	•	•
Micron	MTA4ATF51264AZ-3G2J1	4GB	22-22-22-52	1.2	•	•
Micron	MTA8ATF1G64AZ-3G2E1	8GB	22-22-22-52	1.2	•	•
Micron	MTA8ATF1G64AZ-3G2E1	8GB	22-22-22-54	1.2	•	•
NEO FORZA	NFMUD480E8-3200DH2A(XMP)	8GB	16-18-18-36	1.35	•	•
PATRIOT	PV416G320C6K(XMP)	2x 8GB	16-16-16-36	1.35	•	•
PATRIOT	PV48G320C6K(XMP)	2x 4GB	16-18-18-36	1.35	•	•
PATRIOT	PVR416G320C6K(XMP)	2x 8GB	16-18-18-36	1.35	•	•
Silicon Power	SP008GXLZU320BSB(XMP)	8GB	16-18-18-38	1.35	•	•
Super Talent	F3200UA4G(XMP)	4GB	16-18-18-36	1.35	•	•
Super Talent	F3200UB16G(XMP)	16GB	16-18-18-36	1.35	•	•
Team	TF2D48G3200HC16CBK(XMP)	8GB	16-18-18-38	1.35	•	•
Thermaltake	CL-W251-CA00SW-A(XMP)	2x 8GB	16-18-18-38	1.35	•	•
Thermaltake	CL-W252-CA00SW-A(XMP)	4x 8GB	16-18-18-38	1.35	•	•
V-color	TL48G32S8CRGB16(XMP)	8GB	16-16-18-38	1.35	•	•
ZADAK	ZD4-SHA3200C16-08GAS(XMP)	8GB	16-18-18-38	1.35	•	•

4-DIMM

- **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 A2 slots or the B2 slots that operates in a dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into all slots as two pairs DIMMs operating in a dual-channel memory configuration

- When installing a memory kit, please adhere to the DIMM slot priority cited in the “System Memory” section of the motherboard manual.

- Please ensure all memory modules are from a single validated kit. Do not combine DIMMs from multiple kits—even if they are the same make and model. Mixing and matching DIMMs can result in failure to boot and compatibility cannot be guaranteed.

- At default UEFI settings, the memory operating frequency depends on the Serial Presence Detect (SPD) profile the kit is programmed with, which is the standard way of accessing information from a module. To set the rated speed of the kit, please select **DOCP** or apply manual settings.

- The stability and compatibility of **DOCP** memory kits that operate beyond the JEDEC standard is not guaranteed because it can be affected by the capabilities of the CPU’s integrated memory controller, installed devices, and the operating frequency of associated bus domains.