

## X370 SERIES

### DDR4 2133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
Apacer	78.B1GM3.AF00B	4x 4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	1.2	•	•	•
Apacer	78.C1GM3.AF10B	4x 8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	1.2	•	•	•
Apacer	AHU08GGB13CGT7G	4x 8GB	DS	Apacer	AM6F60080THMA1	15-15-15-36	1.2	•	•	•
Apacer	AU08GGB13CDYBGH	8GB	SS	Micron	AM6F6308BTHSB2	15-15-15-36	1.2	•	•	•
Apacer	EL.08G2R.GDH	8GB	SS	Micron	AM6F6308BTHSB2	15-15-15-36	1.2	•	•	•
CENTURY MICRO INC	CD8G-D4U2133	8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	-	•	•	•
CENTURY MICRO INC	CK8GX4-D4U2133	4x 8GB	DS	SK hynix	H5AN4G8NMFRTFC	15-15-15-35	1.2	•	•	•
CORSAIR	CMK16GX4M4A2133C13(Ver4.23)(XMP)	4x 4GB	SS	-	-	13-15-15-28	1.2	•	•	•
CORSAIR	CMK32GX4M2A2133C13(Ver4.31)(XMP)	2x 16GB	DS	-	-	15-15-15-36	1.2	•	•	•
CORSAIR	CMK32GX4M4A2133C13(Ver4.23)(XMP)	4x 8GB	DS	-	-	13-15-15-28	1.2	•	•	•
CORSAIR	CMK32GX4M4A2133C15(Ver3.20)	4x 8GB	DS	-	-	15-15-15-36	1.2	•	•	•
CORSAIR	CMK32GX4M4A2133C15(Ver5.29)	4x 8GB	DS	-	-	15-15-15-36	1.2	•	•	•
CORSAIR	CMV16GX4M1A2133C15	16GB	DS	-	-	15-15-15-36	1.2	•	•	•
CORSAIR	CMV16GX4M1A2133C15	16GB	DS	-	-	15-15-15-36	-	•	•	•
CORSAIR	CMV4GX4M1A2133C15	4GB	SS	-	-	15-15-15-36	1.2	•	•	•
CORSAIR	CMV8GX4M1A2133C15	8GB	DS	-	-	15-15-15-36	1.2	•	•	•
crucial	CT16G4DFD8213.16FB1	16GB	DS	Micron	D9TBH	15-15-15-36	1.2	•	•	•
crucial	CT4G4DFS8213.8FA2	4GB	SS	Micron	D9RGQ	15-15-15-36	1.2	•	•	•
crucial	CT4G4DFS8213.8FB1	4GB	SS	Micron	-	15-15-15-36	1.2	•	•	•
crucial	CT8G4DFD8213.16FA1	8GB	DS	Micron	D9RGQ	15-15-15-37	1.2	•	•	•
crucial	CT8G4DFS8213.8FB1	8GB	SS	Micron	-	15-15-15-36	1.2	•	•	•
G.SKILL	F4-2133C15Q-16GRR	4x 4GB	SS	Micron	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q2-128GVK	8x 16GB	DS	SK Hynix	-	15-15-15-36	1.2	•	•	•
G.SKILL	F4-2133C15Q2-64GRR	8x 8GB	DS	SpecTek	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-32GRR	4x 8GB	DS	Micron	-	15-15-15-35	-	•	•	•
GelL	GPR432GB2133C15QC	4x 8GB	SS	Micron	-	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SB/4(XMP)	4GB	SS	SK Hynix	-	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SB/8(XMP)	8GB	DS	SK Hynix	-	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SBK2/16(XMP)	2x 8GB	DS	SK Hynix	-	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SBK2/8(XMP)	2x 4GB	SS	SK Hynix	-	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SBK4/16(XMP)	4x 4GB	SS	SK Hynix	-	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SBK4/32(XMP)	4x 8GB	DS	SK Hynix	-	15-15-15-36	1.2	•	•	•
Hyper X	HX421C14FB/4	4GB	SS	SK Hynix	-	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FB/8	8GB	DS	SK Hynix	-	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FB2K4/32(XMP)	4x 8GB	SS	Micron	-	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FBK2/16	2x 8GB	DS	SK Hynix	-	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FBK2/8	2x 4GB	SS	SK Hynix	-	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FBK4/16	4x 4GB	SS	SK Hynix	-	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FBK4/32	4x 8GB	DS	SK Hynix	-	14-14-14-35	1.2	•	•	•

<b>Hyper X</b>	HX421C14FBK4/64	4x 16GB	DS	Micron	-	15-15-15-35	1.2	•	•	•
<b>Hyper X</b>	HX421C14FBK8/64	8x 8GB	DS	SK Hynix	-	14-14-14-35	1.2	•	•	•
<b>Kingston</b>	KVR21N15D8/16	16GB	DS	Micron	D9VHP	15-15-15-36	1.2	•	•	•
<b>Klevv</b>	IM44GU48N21-FFFHAB(XMP)	4GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•	•
<b>Klevv</b>	IM48GU88N21-FFFHMB(XMP)	8GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•	•
<b>Klevv</b>	IM4AGU88N21-FFFHMB(XMP)	16GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•	
<b>Klevv</b>	KM4C4GX4N-2133-15-15-15-35-1	4x 4GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•	•
<b>Klevv</b>	KM4C8GX4N-2133-15-15-15-35-0	8GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•	•
<b>Klevv</b>	KM4C8GX4N-2133-15-15-15-35-1	4x 8GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•	•
<b>Micron</b>	MTA8ATF1G64AZ-2G1B1	8GB	SS	Micron	-	15-15-15-36	1.2	•	•	•
<b>Micron</b>	MTA8ATF51264AZ-2G1A2	4GB	SS	Micron	D9RG0	15-15-15-36	-	•	•	•
<b>panram</b>	W4U2133PS-8G	8GB	SS	SK Hynix	DTCCH872HA2	16-16-16-36	-	•	•	•
<b>SanMax</b>	SMD-4G28HP-21P	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	-	•	•	•
<b>SanMax</b>	SMD-8G28HP-21P	8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	-	•	•	•
<b>Silicon Power</b>	SP004GBLFU213N01	4GB	SS	Samsung	K4A4G085WD	15-15-15-37	-	•	•	•
<b>Silicon Power</b>	SP008GBLFU213N01	8GB	DS	Samsung	K4A4G085WD	15-15-15-37	-	•	•	•
<b>SK Hynix</b>	HMA41GU7AFR8N-TF	8GB	DS	SK Hynix	H5AN4G8NAFRTFC(ECC)	15-15-15-36	-	•	•	•
<b>SK Hynix</b>	HMA451U7AFR8N-TF	4GB	SS	SK Hynix	H5AN4G8NAFR	15-15-15-36	-	•	•	•
<b>SK Hynix</b>	HMA82GU6MFR8N-TF	16GB	DS	SK Hynix	H5AN8G8NMFRTFC	15-15-15-36	-	•	•	•
<b>SK Hynix</b>	HMA82GU7MFR8N-TF	16GB	DS	SK Hynix	H5AN8G8NMFR(ECC)	15-15-15-36	-	•	•	
<b>SUPER TALENT</b>	FBU2B008GM	8GB	DS	Micron	D9RGQ	15-15-15-36	1.2	•	•	
<b>Team</b>	TED416G2133C15BK	16GB	DS	Micron	T4D10248MT-24	15-15-15-36	1.2	•	•	•
<b>Team</b>	TED44GM2133C15ABK	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	1.2	•	•	•
<b>UMAX</b>	84G44G93MC-21OMCALGF15	4GB	SS	Micron	D9RGQ	15-15-15-36	-	•	•	•
<b>UMAX</b>	84G48G93MC-21OMCGNGF15	8GB	DS	Micron	D9RGQ	15-15-15-36	-	•	•	•
<b>V-color</b>	TC48G21S815-IMS	8GB	SS	Micron	-	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

- 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 D.O.C.P or apply manual settings.
- The stability and compatibility of D.O.C.P 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.

## X370 SERIES

### DDR4 2400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IM socket support (Option)		
								1 DIMM	2 DIMM	4 DIMM
Apacer	78.C1GMS.4010B	4x 8GB	DS	Samsung	K4A4G085WD	17-17-17-39	-	•	•	•
Apacer	EK.08G2T.GEC(XMP)	8GB	SS	Micron	-	17-17-17-39	-	•	•	
Apacer	EL.08G2T.GFM	8GB	SS	SK Hynix	AM6F6308MHHSB2	17-17-17-39	-	•	•	
Asgard	VML41UE-MIC1U22Q1	2GB	SS	Micron	-	17-17-17-39	1.2	•	•	
CORSAIR	CMK16GX4M2A2400C16(Ver3.31)(XMP)	2x 8GB	DS	Micron	-	15-15-15-36	1.2	•	•	
CORSAIR	CMK16GX4M2D2400C14(Ver4.21)(XMP)	2x 8GB	DS	Samsung	-	14-16-16-31	1.2	•	•	
CORSAIR	CMK16GX4M2Z2400C16(Ver3.31)	2x 8GB	SS	Micron	-	16-16-16-39	1.2	•	•	
CORSAIR	CMK16GX4M4A2400C14(Ver4.23)(XMP)	4x 4GB	SS	-	-	14-16-16-31	1.2	•	•	•
CORSAIR	CMK16GX4M4A2400C14(Ver5.20)(XMP)	4x 4GB	SS	SK Hynix	-	14-16-16-31	1.2	•	•	•
CORSAIR	CMK32GX4M4A2400C14(Ver3.31)(XMP)	4x 8GB	SS	Micron	-	14-16-16-31	1.2	•	•	
CORSAIR	CMK32GX4M4A2400C14(Ver4.23)(XMP)	4x 8GB	DS	-	-	14-16-16-31	1.2	•	•	•
CORSAIR	CMK32GX4M4A2400C16(Ver3.31)(XMP)	4x 8GB	SS	Micron	-	15-15-15-36	1.2	•	•	•
CORSAIR	CMK64GX4M4A2400C14(Ver3.31)(XMP)	4x 16GB	DS	Micron	-	15-15-15-36	1.2	•	•	•
CORSAIR	CMK64GX4M4A2400C14(Ver4.31)(XMP)	4x 16GB	DS	Samsung	-	15-15-15-36	1.2	•	•	•
CORSAIR	CMK64GX4M4A2400C16(Ver3.32)(XMP)	4x 16GB	DS	Micron	-	16-16-16-39	1.2	•	•	•
CORSAIR	CMK8GX4M2D2400C14(Ver3.11)(XMP)	2x 4GB	DS	Micron	-	14-16-16-31	1.2	•	•	
crucial	BLS16G4D240FSB.16FBD(XMP)	16GB	DS	Micron	-	16-16-16-39	1.2	•	•	
crucial	BLS4G4D240FSB.8FBD(XMP)	4GB	SS	Micron	-	16-16-16-39	1.2	•	•	
crucial	BLS8G4D240FSBK.8FBD(XMP)	8GB	SS	Micron	-	16-16-16-39	1.2	•	•	
crucial	CT16G4DFD824A.C16FDR1	16GB	DS	Micron	C9BGV	17-17-17-39	1.2	•	•	
G.SKILL	F4-2400C14Q2-128GRK(XMP)	8x 16GB	DS	Samsung	-	14-14-14-34	1.2	•	•	•
G.SKILL	F4-2400C14Q2-128GRK(XMP)	8x 16GB	DS	Samsung	-	15-15-15-36	1.2	•	•	•
G.SKILL	F4-2400C14Q2-128GRK(XMP)	8x 16GB	DS	SK Hynix	-	14-14-14-34	1.2	•	•	•
G.SKILL	F4-2400C15Q-16GRR(XMP)	4x 4GB	SS	Micron	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q2-128GRK(XMP)	8x 16GB	DS	Samsung	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q2-128GVK(XMP)	8x 16GB	DS	SK Hynix	-	15-15-15-36	1.2	•	•	•
G.SKILL	F4-2400C15Q2-64GRK(XMP)	8x 8GB	DS	Samsung	-	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-32GRR(XMP)	4x 8GB	DS	Micron	-	15-15-15-35	1.2	•	•	•
GeIL	GASB416GB2400C16QC(XMP)	4GB	SS	Micron	-	16-16-16-36	1.2	•	•	
GeIL	GASB432GB2400C16QC(XMP)	8GB	SS	Micron	-	16-16-16-36	1.2	•	•	
GeIL	GFR416GB2400C16S(XMP)	16GB	SS	Micron	-	16-16-16-36	1.2	•	•	
GeIL	GFR432GB2400C16D(XMP)	16GB	SS	Micron	-	16-16-16-36	1.2	•	•	
GeIL	GLR464GB2400C14QC(XMP)	4x 16GB	DS	Micron	-	14-14-14-35	1.2	•	•	•
GeIL	GLS48GB2400C16DC(XMP)	4GB	SS	Micron	-	16-16-16-36	1.2	•	•	
GeIL	GPR416GB2400C15QC(XMP)	4x 4GB	SS	-	-	15-15-15-35	1.2	•	•	
GeIL	GPR432GB2400C15QC(XMP)	4x 8GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•	•
GeIL	GPR432GB2400C16QC(XMP)	4x 8GB	SS	Micron	-	16-16-16-36	1.2	•	•	•
GLOWAY	TYP4U2400D17021C	2GB	SS	Micron	-	17-17-17-39	1.2	•	•	
Hyper X	HX424C12PB2K4/16(XMP)	4x 4GB	SS	SK Hynix	-	12-13-13-35	1.2	•	•	•

Hyper X	HX424C12SB2/4(XMP)	4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2/8(XMP)	8GB	DS	SK Hynix	-	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2K2/16(XMP)	2x 8GB	DS	SK Hynix	-	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2K2/16(XMP)	2x 8GB	DS	Nanya	NT5AD512M8B1-GN	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2K4/16(XMP)	4x 4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2K4/32(XMP)	4x 8GB	DS	SK Hynix	-	15-15-15-36	1.35	•	•
Hyper X	HX424C12SB2K4/32(XMP)	4x 8GB	DS	Nanya	NT5AD512M8B1-GN	15-15-15-36	1.35	•	•
Hyper X	HX424C15B2K4/32(XMP)	4x 8GB	SS	Micron	-	15-15-15-35	1.2	•	•
Hyper X	HX424C15FB/4	4GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•
Hyper X	HX424C15FB/8(XMP)	8GB	SS	SK Hynix	-	14-14-14-32	1.2	•	•
Hyper X	HX424C15FBK2/8	2x 4GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK4/16	4x 4GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK4/16	4x4GB	SS	SK Hynix	-	14-14-14-32	1.2	•	•
Hyper X	HX424C15FBK4/32	4x 8GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK4/64	4x 16GB	DS	Micron	-	15-15-15-35	1.2	•	•
KINGMAX	GLLF62F-DAKZIG-CLBU	4GB	SS	KINGMAX	KGDACZ-CU	17-17-17-39	-	•	•
KINGMAX	GLLF62F-DAKZIG-CLBU	4GB	SS	KINGMAX	PS029-093-TP	17-17-17-39	-	•	•
KINGMAX	GLLH22F-18KIIA-CFBU2	16GB	DS	KINGMAX	PS0223-093-TP	17-17-17-39	-	•	•
Kingston	KVR24N17D8/16	16GB	DS	Micron	D9SRJ	17-17-17-39	1.2	•	•
Kingston	KVR24N17D8/8	8GB	DS	Micron	D9TGG	17-17-17-39	1.2	•	•
Kingston	KVR24N17S8/4	4GB	SS	Micron	D9TGG	17-17-17-39	1.2	•	•
Kingston	KVR24N17S8/8	8GB	SS	Micron	D9TBH	17-17-17-39	1.2	•	•
Klevv	IM44GU48N24-FFFHAB(XMP)	4GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•
Klevv	IM44GU48N24-FFFHAZ(XMP)	4GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•
Klevv	IM48GU88N24-FFFHMB(XMP)	8GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•
Klevv	IM48GU88N24-FFFHMZ(XMP)	8GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•
Klevv	IM4AGU88N24-FFFHMB(XMP)	16GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•
Klevv	IM4AGU88N24-FFFHMZ(XMP)	16GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•
Micron	MTA16ATF2G64AZ-2G3B1	16GB	DS	Micron	D9TBH	17-17-17-39	1.2	•	•
panram	W4U2400PS-8G	8GB	SS	SK Hynix	DTCCH912G2	14-14-14-31	-	•	•
PATRIOT	PSD416G24002	16GB	DS	Samsung	K4A8G085WB	17-17-17-39	1.2	•	•
PATRIOT	PSD44G240081	4GB	SS	Samsung	K4A4G085WE	16-16-16-39	1.2	•	•
PATRIOT	PSD48G240081	8GB	SS	Samsung	K4A8G085WB	17-17-17-39	1.2	•	•
PATRIOT	PSD48G240082	8GB	DS	-	N/A	17-17-17-39	1.2	•	•
PATRIOT	PVE416G240C5KRD(XMP)	2x 8GB	SS	-	-	15-15-15-35	-	•	•
PATRIOT	PVE48G240C5KRD(XMP)	2x 4GB	SS	-	-	15-15-15-35	-	•	•
SK Hynix	HMA81GU6AFR8N-UH	8GB	SS	SK Hynix	H5AN8GBNAFRUHC	17-17-17-39	-	•	•
SK Hynix	HMA851U6AFR6N-UH	4GB	SS	SK Hynix	H5AN8G6NAFRUHC	17-17-17-39	-	•	•
Team	TCD44G2400C14BK(XMP)	4GB	SS	SK Hynix	H5AN4GBNAFRUHC	14-16-16-31	1.2	•	•
Team	TED48G2400C16BK	8GB	DS	SK Hynix	T4D5128HT-24	16-16-16-39	1.2	•	•
Team	TF3D48G2400HC15BBK(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	1.2	•	•
Team	TF4D48G2400HC15BBK(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	1.2	•	•
V-color	TD4G8C17-UH	4GB	SS	SK Hynix	DW3J0460HM	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
- 
- 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 D.O.C.P or apply manual settings.
  - The stability and compatibility of D.O.C.P 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.

## X370 SERIES

### DDR4 2666 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>ADATA</b>	AD4U2666316G19-B	16GB	DS	SpecTek	-	19-19-19-43	1.2	•	•	
<b>ADATA</b>	AD4U266638G19	8GB	SS	Nanya	NT5AD1024MBA3-GZ	19-19-19-43	1.2	•	•	
<b>Apacer</b>	AHU08GGB26CDU7G(XMP)	8GB	SS	SK Hynix	-	16-16-16-36	1.2	•	•	•
<b>Apacer</b>	AU08GGB26CQYBGH	8GB	SS	Apacer	AM6F63080HJMF5	19-19-19-43	-	•	•	•
<b>Apacer</b>	AU16GGB26CQYBGH	16GB	DS	Apacer	AM6F6308BRHSF5	19-19-19-43	1.2	•	•	
<b>Apacer</b>	EL.16G2V.GNH	16GB	DS	Apacer	AM6F6308BRHSF5	19-19-19-43	1.2	•	•	
<b>CORSAIR</b>	CMD128GX4M8A2666C15(Ver4.31)(XMP)	8x 16GB	DS	Samsung	-	15-15-15-36	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M2A2666C15(Ver4.23)(XMP)	2x 8GB	DS	-	-	15-17-17-35	1.2	•	•	
<b>CORSAIR</b>	CMD16GX4M4A2666C15(Ver4.23)(XMP)	4x 4GB	SS	-	-	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M4A2666C16(Ver4.23)(XMP)	4x 4GB	SS	-	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M4A2666C16(Ver5.29)(XMP)	4x 4GB	SS	-	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMD32GX4M4A2666C15(Ver4.23)(XMP)	4x 8GB	DS	-	-	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD32GX4M4A2666C15(Ver5.29)(XMP)	4x 8GB	DS	-	-	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD64GX4M8A2666C15(Ver4.24)(XMP)	8x 8GB	DS	Samsung	-	15-15-15-36	1.2	•	•	•
<b>CORSAIR</b>	CMD8GX4M2A2666C15(Ver4.23)(XMP)	2x 4GB	DS	-	-	15-17-17-35	1.2	•	•	
<b>CORSAIR</b>	CMD8GX4M2A2666C15(Ver4.23)(XMP)	2x 4GB	DS	-	-	15-17-17-35	1.2	•	•	
<b>CORSAIR</b>	CMK128GX4M8A2666C16(Ver3.32)(XMP)	8x 16GB	DS	Micron	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK128GX4M8A2666C16(Ver5.39)(XMP)	8x 16GB	DS	SK Hynix	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M2A2666C16(Ver5.30)(XMP)	2x 8GB	SS	SK Hynix	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK16GX4M2D2666C16(Ver4.21)(XMP)	2x 8GB	DS	Samsung	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK16GX4M4A2666C16(Ver3.21)(XMP)	4x 4GB	SS	Micron	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M4A2666C16(Ver4.23)(XMP)	4x 4GB	SS	-	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M2A2666C16(Ver4.31)(XMP)	2x 16GB	DS	-	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK32GX4M2A2666C16R(Ver3.31)(XMP)	2x 16GB	DS	Micron	-	15-15-15-36	1.2	•	•	
<b>CORSAIR</b>	CMK32GX4M4A2666C15(Ver4.23)(XMP)	4x 8GB	DS	-	-	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver3.20)(XMP)	4x 8GB	DS	Micron	-	15-15-15-36	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver3.21)(XMP)	4x 8GB	DS	Micron	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver5.30)(XMP)	4x 8GB	SS	SK Hynix	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver5.30)(XMP)	4x 8GB	SS	SK Hynix	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver5.30)(XMP)	4x 8GB	SS	SK Hynix	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16R(Ver4.23)(XMP)	4x 8GB	DS	-	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK64GX4M4A2666C16(Ver3.31)(XMP)	4x 16GB	DS	Micron	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK64GX4M4A2666C16(Ver4.31)(XMP)	4x 16GB	DS	Samsung	-	15-15-15-36	1.2	•	•	•
<b>CORSAIR</b>	CMK8GX2M2D2666C16(Ver3.21)(XMP)	2x 4GB	SS	Micron	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK8GX4M2D2666C16(Ver3.11)(XMP)	2x 4GB	DS	Micron	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMR16GX4M2A2666C16(Ver5.30)(XMP)	2x 8GB	SS	SK Hynix	-	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMU32GX4M4A2666C16(Ver5.30)(XMP)	4x 8GB	SS	SK Hynix	-	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMV16GX4M1A2666C18	16GB	DS	Micron	-	18-18-18-43	1.2	•	•	•
<b>CORSAIR</b>	CMV32GX4M1A2666C18	32GB	DS	Micron	MT40A2G8075E	18-18-18-43	1.2	•	•	
<b>CORSAIR</b>	CMV4GX4M1A2666C18	4GB	SS	Micron	-	18-18-18-43	1.2	•	•	

<b>CORSAIR</b>	CMV8GX4M1A2666C18	8GB	SS	Micron	-	18-18-18-43	1.2	•	•
<b>crucial</b>	BLE4G4D26AFEA.8FAD (XMP)	4GB	SS	Micron	-	16-17-17-36	1.2	•	•
<b>crucial</b>	BLE8G4D26AFEA.16FAD(XMP)	8GB	DS	Micron	-	16-17-17-36	1.2	•	•
<b>crucial</b>	BLS16G4D26BFSB.16FD(XMP)	16GB	DS	Micron	-	16-18-18-38	1.2	•	• •
<b>crucial</b>	BLS16G4D26BFSC.16FBD(XMP)	16GB	DS	Micron	-	16-18-18-38	1.2	•	•
<b>crucial</b>	BLS4G4D26BFSC.8FBR2(XMP)	4GB	SS	Micron	-	16-18-18-38	1.2	•	•
<b>crucial</b>	BLS8G4D26BFSC.16FBR2(XMP)	8GB	DS	Micron	-	16-18-18-38	1.2	•	•
<b>crucial</b>	BLS8G4D26BFSC.8FBR(XMP)	8GB	SS	Micron	-	16-18-18-38	1.2	•	•
<b>crucial</b>	BLT4G4D26AFTA.8FADG(XMP)	4GB	SS	Micron	-	16-16-16-39	1.2	•	•
<b>crucial</b>	BLT4G4D26AFTA.8FADG(XMP)	4x4GB	SS	Micron	-	16-17-17-36	1.2	•	•
<b>crucial</b>	BLT8G4D26AFTA.16FAD(XMP)	4x 8GB	DS	Micron	-	16-17-17-36	1.2	•	• •
<b>crucial</b>	BLT8G4D26AFTA.16FAD(XMP)	8GB	DS	Micron	-	16-16-16-39	1.2	•	•
<b>Crucial</b>	CT16G4DFD8266.M16FE	16GB	DS	Micron	D9VPP	19-19-19-43	1.2	•	• •
<b>G.SKILL</b>	F4-2666C15Q-16GRR(XMP)	4x 4GB	SS	Hynix	-	15-15-15-35	1.2	•	• •
<b>G.SKILL</b>	F4-2666C15Q-32GRR(XMP)	4x 8GB	DS	SK Hynix	-	15-15-15-35	1.2	•	• •
<b>G.SKILL</b>	F4-2666C16Q2-128GVK(XMP)	8x 16GB	DS	SK Hynix	-	16-16-16-36	1.2	•	• •
<b>Hyper X</b>	HX426C13PB3/16(XMP)	16GB	DS	SK Hynix	-	13-15-15-35	1.35	•	• •
<b>Hyper X</b>	HX426C13PB3K2/32(XMP)	2x 16GB	DS	SK Hynix	-	13-15-15-35	1.35	•	• •
<b>Hyper X</b>	HX426C13PB3K4/64(XMP)	4x 16GB	DS	SK Hynix	-	13-15-15-35	1.35	•	• •
<b>Hyper X</b>	HX426C13SB2/4(XMP)	4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•
<b>Hyper X</b>	HX426C13SB2K2/16(XMP)	2x 8GB	DS	Nanya	NT5AD512M8B1-GN	15-15-15-36	1.35	•	•
<b>Hyper X</b>	HX426C13SB2K2/8(XMP)	2x 4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•
<b>Hyper X</b>	HX426C13SB2K4/16(XMP)	4x 4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•
<b>Hyper X</b>	HX426C13SB2K4/32(XMP)	4x 8GB	DS	Nanya	NT5AD512M8B1-GN	15-15-15-36	1.35	•	• •
<b>Hyper X</b>	HX426C15FB/4	4GB	SS	SK Hynix	-	15-17-17-35	1.2	•	•
<b>Hyper X</b>	HX426C15FB/4	4GB	SS	Micron	-	15-17-17-35	1.2	•	•
<b>Hyper X</b>	HX426C15FB/8	8GB	DS	SK Hynix	-	15-17-17-35	1.2	•	• •
<b>Hyper X</b>	HX426C15FB/8	8GB	DS	Micron	-	15-17-17-35	1.2	•	• •
<b>Hyper X</b>	HX426C15FBK2/16	2x 8GB	DS	SK Hynix	-	15-15-17-35	1.2	•	•
<b>Hyper X</b>	HX426C15FBK2/16	2x 8GB	DS	SK Hynix	-	15-17-17-35	1.2	•	•
<b>Hyper X</b>	HX426C15FBK2/16	2x 8GB	DS	Micron	-	15-17-17-35	1.2	•	•
<b>Hyper X</b>	HX426C15FBK2/8	2x 4GB	SS	SK Hynix	-	15-17-17-35	1.2	•	•
<b>Hyper X</b>	HX426C15FBK2/8	2x 4GB	SS	Micron	-	15-17-17-35	1.2	•	•
<b>Hyper X</b>	HX426C15FBK4/16	4x 4GB	SS	SK Hynix	-	15-17-17-35	1.2	•	• •
<b>Hyper X</b>	HX426C15FBK4/16	4x 4GB	SS	SK Hynix	-	15-17-17-35	1.2	•	• •
<b>Hyper X</b>	HX426C15FBK4/16	4x 4GB	SS	Micron	-	15-17-17-35	1.2	•	• •
<b>Hyper X</b>	HX426C15FBK4/32	4x 8GB	DS	SK Hynix	-	15-15-17-35	1.2	•	• •
<b>Hyper X</b>	HX426C15FBK4/32	4x 8GB	DS	SK Hynix	-	15-17-17-35	1.2	•	• •
<b>Hyper X</b>	HX426C15FBK4/32	4x 8GB	DS	Micron	-	15-17-17-35	1.2	•	• •
<b>Hyper X</b>	HX426C15SBK4/64(XMP)	4x 16GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•
<b>Hyper X</b>	HX426C16FB/16	16GB	DS	SK Hynix	-	16-18-18-39	1.2	•	•
<b>Hyper X</b>	HX426C16FB2/8(XMP)	8GB	SS	SK Hynix	-	16-18-18-39	1.2	•	•
<b>Hyper X</b>	HX426C16FB2K2/16(XMP)	2x 8GB	SS	SK Hynix	-	16-18-18-39	1.2	•	•
<b>Hyper X</b>	HX426C16FB2K4/32(XMP)	4x 8GB	SS	SK Hynix	-	16-18-18-39	1.2	•	•
<b>Hyper X</b>	HX426C16FB3AK4/64(XMP)	4x 16GB	DS	-	-	16-18-18-39	1.2	•	• •



<b>Hyper X</b>	HX426C16FB3K4/16(XMP)	4x 4GB	SS	-	-	15-15-15-35	1.2	•	•	•
<b>Hyper X</b>	HX426C16FB3K4/64(XMP)	4x 16GB	DS	-	-	16-18-18-39	1.2	•	•	•
<b>Hyper X</b>	HX426C16FBK2/32	2x 16GB	DS	SK Hynix	-	16-18-18-39	1.2	•	•	
<b>Hyper X</b>	HX426C16FBK4/64	4x 16GB	DS	SK Hynix	-	16-18-18-39	-	•	•	
<b>Hyper X</b>	HX426C16FW/16	16GB	DS	SK Hynix	-	16-18-18-39	1.2	•	•	
<b>Hyper X</b>	HX426C16FWK2/32	2x 16GB	DS	SK Hynix	-	16-18-18-39	1.2	•	•	
<b>Hyper X</b>	HX426C16FWK4/64	4x 16GB	DS	SK Hynix	-	16-18-18-39	1.2	•	•	•
<b>Kingston</b>	KVR26N19D8/16	16GB	DS	Micron	D9VHP	19-19-19-43	1.2	•	•	
<b>Kingston</b>	KVR26N19S8/8	8GB	SS	Micron	-	19-19-19-43	1.2	•	•	
<b>Klevv</b>	IM44GU48N26-FFFHAZ(XMP)	4GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•	
<b>Klevv</b>	IM48GU88N26-FFFHMZ(XMP)	8GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•	
<b>Klevv</b>	IM4AGU88N26-FFFHMZ(XMP)	16GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•	
<b>Klevv</b>	KM4C8GX4N-2666-15-15-15-35-0 (XMP)	8GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•	
<b>Klevv</b>	KM4C8GX4N-2666-15-15-15-35-1(XMP)	8GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•	
<b>Micron</b>	MTA16ATF2G64AZ-2G6E1	16GB	DS	Micron	D9WFL	19-19-19-43	-	•	•	
<b>panram</b>	W4U2666PS-16G	2x 16GB	DS	SK Hynix	DDR4-1GM8-26	16-18-18-35	1.2	•	•	
<b>panram</b>	W4U2666PS-8G	2x 8GB	SS	SK Hynix	DDR4-1GM8-26	16-18-18-35	1.2	•	•	
<b>SK Hynix</b>	HMA81GU6CJR8N-VK	8GB	SS	SK Hynix	H5AN8G8NCJR	19-19-19-43	1.2	•	•	•
<b>SK Hynix</b>	HMAA4GU6AJR8N-VK	32GB	DS	SK Hynix	H5ANAG8NAJRVKC	19-19-19-43	-	•	•	•

#### 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

- 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 D.O.C.P or apply manual settings.
- The stability and compatibility of D.O.C.P 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.



## X370 SERIES

### DDR4 2800 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>ADATA</b>	AX4U2800W8G17-BRD(XMP)	8GB	DS	Samsung	-	17-17-17-36	1.2	•	•	
<b>Apacer</b>	78.BAGM8.AF20B(XMP)	4x 4GB	SS	SK Hynix	-	17-17-17-36	-	•	•	•
<b>Apacer</b>	78.CAGM8.AF30B(XMP)	4x 8GB	DS	SK Hynix	-	17-17-17-36	-	•	•	
<b>G.SKILL</b>	F4-2800C14Q-64GVK(XMP)	4x 16GB	DS	Samsung	-	14-14-14-35	1.35	•	•	
<b>G.SKILL</b>	F4-2800C15Q2-128GRKD(XMP)	8x 16GB	DS	Samsung	-	15-15-15-36	1.35	•	•	•
<b>G.SKILL</b>	F4-2800C15Q2-64GRK(XMP)	8x 8GB	DS	SK Hynix	-	15-16-16-35	1.25	•	•	•
<b>G.SKILL</b>	F4-2800C15Q2-64GRK(XMP)	8x 8GB	DS	SK Hynix	-	15-15-15-35	1.25	•	•	•
<b>G.SKILL</b>	F4-2800C16Q-16GRK(XMP)	4x 4GB	SS	Samsung	-	16-16-16-36	1.2	•	•	•
<b>G.SKILL</b>	F4-2800C16Q-16GRR(XMP)	4x 4GB	SS	SK Hynix	-	16-16-16-36	1.2	•	•	
<b>G.SKILL</b>	F4-2800C16Q-32GRK(XMP)	4x 8GB	DS	Samsung	-	16-16-16-36	1.2	•	•	•
<b>G.SKILL</b>	F4-2800C16Q-32GRR(XMP)	4x 8GB	DS	SK Hynix	-	16-16-16-36	1.2	•	•	
<b>GelL</b>	GPR416GB2800C16QC(XMP)	4x 4GB	SS	SK Hynix	-	16-16-16-36	1.2	•	•	
<b>GelL</b>	GPR432GB2800C16QC(XMP)	4x 8GB	DS	SK Hynix	-	16-16-16-36	1.2	•	•	
<b>Hyper X</b>	HX428C14PBK8/64(XMP)	8x 8GB	DS	SK Hynix	-	14-15-15-39	1.35	•	•	•
<b>Hyper X</b>	HX428C14SB2/4(XMP)	4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•	
<b>Hyper X</b>	HX428C14SB2/8(XMP)	8GB	DS	SK Hynix	-	15-15-15-36	1.35	•	•	
<b>Hyper X</b>	HX428C14SB2K2/16(XMP)	2x 8GB	DS	SK Hynix	-	15-15-15-36	1.35	•	•	
<b>Hyper X</b>	HX428C14SB2K2/8(XMP)	2x 4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•	
<b>Hyper X</b>	HX428C14SB2K4/16(XMP)	4x 4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•	•
<b>KINGMAX</b>	GLMG42F-18KIIA-CJBR4(XMP)	8GB	SS	KINGMAX	-	17-17-17-39	1.2	•	•	
<b>Klevv</b>	IMA451U6MFR8N-DG0(Ver1.05)(XMP)	4GB	SS	SK Hynix	-	16-16-16-36	1.2	•	•	
<b>NEO</b>	NFMUD416E8-2800EB2A(XMP)	16GB	DS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD416E8-2800EB3A(XMP)	16GB	DS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD416E8-2800EC2A(XMP)	16GB	DS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD416E8-2800EC3A(XMP)	16GB	DS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD416E8-2800ED2A(XMP)	16GB	DS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD416E8-2800EH2A(XMP)	16GB	DS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD416E8-2800EH2A(XMP)	16GB	DS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD480E8-2800DB2A(XMP)	8GB	SS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD480E8-2800DB3A(XMP)	8GB	SS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD480E8-2800DC2A(XMP)	8GB	SS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD480E8-2800DC3A(XMP)	8GB	SS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD480E8-2800DD2A(XMP)	8GB	SS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD480E8-2800DD3A(XMP)	8GB	SS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD480E8-2800DH2A(XMP)	8GB	SS	SK Hynix	-	17-17-17-36	-	•	•	
<b>NEO</b>	NFMUD480E8-2800DH2A(XMP)	8GB	SS	SK Hynix	-	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
- 
- 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 D.O.C.P or apply manual settings.
  - The stability and compatibility of D.O.C.P 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.





## X370 SERIES

### DDR4 2933 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>CORSAIR</b>	CMK128GX4M8Z2933C16(Ver4.31)	8x 16GB	DS	Samsung	-	16-18-18-36	1.35	●	●	●
<b>CORSAIR</b>	CMK128GX4M8Z2933C16(Ver4.31)(XMP)	8x 16GB	DS	Samsung	-	16-18-18-36	1.35	●	●	●
<b>G.SKILL</b>	F4-2933C16D-16GFX(XMP)	2x 8GB	SS	Samsung	-	16-16-16-36	1.35	●	●	
<b>G.SKILL</b>	F4-2933C16Q-32GFX(XMP)	4x 8GB	SS	Samsung	-	16-16-16-36	1.35	●	●	●
<b>Hyper X</b>	HX429C17FB/16(XMP)	16GB	DS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FB/4	4GB	SS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FB2/8(XMP)	8GB	SS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FB2K2/16(XMP)	2x 8GB	SS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FB2K4/32(XMP)	4x 8GB	SS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FBK2/32(XMP)	2x 16GB	DS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FBK4/64(XMP)	4x 16GB	DS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FR/16(XMP)	16GB	DS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FR2/8(XMP)	8GB	SS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FR2K2/16(XMP)	2x 8GB	SS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FR2K4/32(XMP)	4x 8GB	SS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FRK2/32(XMP)	2x 16GB	DS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FRK4/64(XMP)	4x 16GB	DS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FW/16(XMP)	16GB	DS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FW2/8(XMP)	8GB	SS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FW2K2/16(XMP)	2x 8GB	SS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FW2K4/32(XMP)	4x 8GB	SS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FWK2/32(XMP)	2x 16GB	DS	Micron	-	17-19-19-39	1.2	●	●	●
<b>Hyper X</b>	HX429C17FWK4/64(XMP)	2x 16GB	DS	Micron	-	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

- 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 D.O.C.P or apply manual settings.
- The stability and compatibility of D.O.C.P 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.

## X370 SERIES

### DDR4 3000 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>ADATA</b>	AX4U300038G16-BBG(XMP)	8GB	SS	SK Hynix	-	16-18-18-36	1.35	•	•	
<b>Apacer</b>	EK.16GAW.KFBK2(XMP)	8GB	DS	SK Hynix	-	16-18-18-38	-	•	•	
<b>CORSAIR</b>	CMD16GX4M2B3000C15(Ver4.23)(XMP)	2x 8GB	DS	-	-	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMD16GX4M4B3000C15(Ver4.23)(XMP)	4x 4GB	SS	-	-	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMD32GX4M4B3000C15(Ver4.23)(XMP)	4x 8GB	DS	-	-	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMD32GX4M4C3000C15(Ver3.32)(XMP)	4x 8GB	DS	SK Hynix	-	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMK16GX4M1B3000C15(Ver3.32)(XMP)	16GB	DS	Micron	-	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMK16GX4M2B3000C15(Ver3.32)(XMP)	2x 8GB	SS	Micron	-	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMK16GX4M2B3000C15(Ver4.23)(XMP)	2x 8GB	DS	-	-	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMK16GX4M2B3000C15(Ver5.30)(XMP)	2x 8GB	SS	SK Hynix	-	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMK16GX4M2C3000C16(Ver3.31)(XMP)	2x 8GB	SS	Micron	-	16-18-18-36	1.35	•	•	
<b>CORSAIR</b>	CMK32GX4M2B3000C15(Ver4.31)(XMP)	2x 16GB	DS	-	-	15-15-15-36	1.35	•	•	
<b>CORSAIR</b>	CMK32GX4M4B3000C15(Ver4.24)(XMP)	4x 8GB	DS	Samsung	-	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMK64GX4M4B3000C15(Ver4.31)(XMP)	4x 16GB	DS	-	-	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMK8GX4M2B3000C15(Ver4.23)(XMP)	2x 4GB	DS	-	-	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMR128GX4M8C3000C16(Ver4.31)(XMP)	8x 16GB	DS	Samsung	-	16-18-18-36	1.35	•	•	
<b>CORSAIR</b>	CMR16GX4M2C3000C15(Ver4.31)(XMP)	2x 8GB	SS	SK Hynix	-	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMR16GX4M2C3000C15(Ver5.30)(XMP)	2x 8GB	SS	SK Hynix	-	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMR32GX4M2C3000C15(Ver4.31)(XMP)	2x 16GB	DS	Samsung	-	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMR32GX4M4C3000C15(Ver3.32)(XMP)	4x 8GB	SS	Micron	-	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMR64GX4M4C3000C15(Ver3.32)(XMP)	4x 16GB	DS	Micron	-	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMU16GX4M2C3000C15(Ver3.21)(XMP)	2x 8GB	DS	Micron	-	15-15-15-36	1.35	•	•	
<b>crucial</b>	BLE4G4D30AEEA.K8FE(XMP)	4GB	SS	Samsung	-	15-16-16-35	1.35	•	•	
<b>crucial</b>	BLE8G4D30AEEA.K16FE(XMP)	8GB	DS	Samsung	-	15-16-16-35	1.35	•	•	
<b>crucial</b>	BLT4G4D30AETA.K8FE(XMP)	4GB	SS	Samsung	-	15-16-16-35	1.35	•	•	
<b>crucial</b>	BLT8G4D30AETA.K16FE(XMP)	8GB	DS	Samsung	-	15-16-16-35	1.35	•	•	
<b>G.SKILL</b>	F4-3000C14Q2-128GVK(XMP)	8x 16GB	DS	Samsung	-	15-15-15-36	1.35	•	•	•
<b>G.SKILL</b>	F4-3000C15D-8GTZB(XMP)	2x 4GB	SS	Samsung	-	15-16-16-35	1.35	•	•	
<b>G.SKILL</b>	F4-3000C15Q-16GRK(XMP)	4x 4GB	SS	Samsung	-	15-15-15-35	1.35	•	•	•
<b>G.SKILL</b>	F4-3000C15Q-16GRR(XMP)	4x 4GB	SS	SK Hynix	-	15-15-15-35	1.35	•	•	•
<b>G.SKILL</b>	F4-3000C15Q-32GRK(XMP)	4x 8GB	DS	Samsung	-	15-15-15-35	1.35	•	•	
<b>G.SKILL</b>	F4-3000C16D-16GTZR(XMP)	2x 8GB	SS	SK Hynix	-	16-18-18-38	1.35	•	•	
<b>G.SKILL</b>	F4-3000C16Q2-128GVKB(XMP)	8x 16GB	DS	SK Hynix	-	16-18-18-38	1.35	•	•	•
<b>GeIL</b>	GLR416GB3000C15ADC(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	1.35	•	•	
<b>GeIL</b>	GLR416GB3000C16QC(XMP)	4x 4GB	SS	Samsung	-	16-16-16-36	1.35	•	•	•
<b>Hyper X</b>	HX430C15PB2K4/16(XMP)	4x 4GB	SS	SK Hynix	-	15-16-16-39	1.35	•	•	•
<b>Hyper X</b>	HX430C15PB3/16(XMP)	16GB	DS	SK Hynix	-	15-17-17-36	1.35	•	•	
<b>Hyper X</b>	HX430C15PB3/8(XMP)	8GB	SS	SK Hynix	-	15-17-17-36	1.2	•	•	
<b>Hyper X</b>	HX430C15PB3K2/16(XMP)	2x 8GB	SS	SK Hynix	-	15-17-17-36	1.35	•	•	
<b>Hyper X</b>	HX430C15PB3K2/16(XMP)	2x 8GB	SS	SK Hynix	-	15-17-17-36	1.2	•	•	

Hyper X	HX430C15PB3K2/32(XMP)	2x 16GB	DS	SK Hynix	-	15-17-17-36	1.35	•	•	•
Hyper X	HX430C15PB3K2/32(XMP)	2x 16GB	DS	SK Hynix	-	15-17-17-36	1.35	•	•	•
Hyper X	HX430C15PB3K2/8(XMP)	2x 4GB	SS	SK Hynix	-	15-17-17-36	1.35	•	•	
Hyper X	HX430C15PB3K4/16(XMP)	4x 4GB	SS	SK Hynix	-	15-17-17-36	1.35	•	•	
Hyper X	HX430C15PB3K4/32(XMP)	4x 8GB	SS	SK Hynix	-	15-17-17-36	1.35	•	•	•
Hyper X	HX430C15PB3K4/64(XMP)	4x 16GB	DS	SK Hynix	-	15-17-17-36	1.35	•	•	•
Hyper X	HX430C15PB3K4/64(XMP)	4x 16GB	DS	SK Hynix	-	15-17-17-36	1.35	•	•	•
Hyper X	HX430C15PB3K8/128(XMP)	8x 16GB	DS	SK Hynix	-	15-17-17-36	1.35	•	•	•
Hyper X	HX430C15SB2/4(XMP)	4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•	
Hyper X	HX430C15SB2K2/8(XMP)	2x 4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•	
Hyper X	HX430C15SB2K4/16(XMP)	4x 4GB	SS	SK Hynix	-	15-15-15-36	1.35	•	•	•
Hyper X	HX430C15SB2K4/32(XMP)	4x 8GB	DS	SK Hynix	-	15-17-17-39	1.35	•	•	•
Hyper X	HX430C15SBK2/16(XMP)	2x 8GB	DS	SK Hynix	-	15-16-16-39	1.35	•	•	
Hyper X	HX430C16PBK4/64(XMP)	4x 16GB	DS	SK Hynix	-	16-16-16-39	1.35	•	•	
Klevv	IM44GU48A30-FGGHAZ(XMP)	4GB	SS	SK Hynix	-	15-15-16-36	1.35	•	•	
Klevv	IM44GU48A30-GIIHMC(XMP)	4GB	SS	SK Hynix	-	16-18-18-36	1.35	•	•	
Klevv	IM44GU48N30-FFHAB(XMP)	4GB	SS	SK Hynix	-	15-15-16-36	1.2	•	•	
Klevv	IM48GU88A30-FGGHMZ(XMP)	8GB	DS	SK Hynix	-	15-15-16-36	1.35	•	•	
Klevv	IM48GU88N30-FFHMB(XMP)	8GB	SS	SK Hynix	-	15-15-16-36	1.2	•	•	
Klevv	IM4AGU88A30-FGGHMZ(XMP)	16GB	DS	SK Hynix	-	15-15-16-36	1.35	•	•	
Klevv	IM4AGU88N30-FFHMB(XMP)	16GB	DS	SK Hynix	-	15-15-16-36	1.2	•	•	
NEO FORZA	NFMUD480E8-3000DB2A(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	-	•	•	
NEO FORZA	NFMUD480E8-3000DB3A(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	-	•	•	
NEO FORZA	NFMUD480E8-3000DC2A(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	-	•	•	
NEO FORZA	NFMUD480E8-3000DC3A(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	-	•	•	
NEO FORZA	NFMUD480E8-3000DD2A(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	-	•	•	
NEO FORZA	NFMUD480E8-3000DD3A(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	-	•	•	
NEO FORZA	NFMUD480E8-3000DH2A(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	-	•	•	
NEO FORZA	NFMUD480E8-3000DH2A(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	-	•	•	
NEO FORZA	NMUD416E82-3000DB30(XMP)	16GB	DS	SK Hynix	-	15-17-17-35	-	•	•	
NEO FORZA	NMUD480E82-3000DB30(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	-	•	•	
PATRIOT	PV416G300C6K(XMP)	2x 8GB	SS	-	-	16-16-16-36	-	•	•	
PATRIOT	PV416G300C6K(XMP)	4x 8GB	SS	-	-	16-16-16-36	1.35	•	•	•
PATRIOT	PV48G300C6K(XMP)	4x 4GB	SS	-	-	16-16-16-36	1.35	•	•	•
Team	TCD44G3000C16CBK(XMP)	4GB	SS	SK Hynix	T4D5128HT-30	16-18-18-38	1.35	•	•	•
Team	TF3D48G3000HC16CBK(XMP)	8GB	SS	Micron	-	16-18-18-38	1.35	•	•	
V-color	TL48G30S816RGB(XMP)	8GB	SS	SK Hynix	-	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

- 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 D.O.C.P or apply manual settings.
- The stability and compatibility of D.O.C.P 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.

## X370 SERIES

### DDR4 3200 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>CORSAIR</b>	CMK16GX4M2Z3200C16(Ver4.31)(XMP)	2x 8GB	SS	Samsung	-	16-18-18-36	1.35	•	•	
<b>CORSAIR</b>	CMK32GX4M2Z3200C16(Ver3.31)(XMP)	2x 16GB	DS	Mircon	-	16-18-18-36	1.35	•	•	
<b>CORSAIR</b>	CMW32GX4M2Z3200C16(Ver3.31)(XMP)	2x 16GB	DS	Mircon	-	16-18-18-36	1.35	•	•	
<b>CORSAIR</b>	CMW32GX4M4C3200C16(Ver5.32)(XMP)	4x 8GB	SS	Hynix	-	16-18-18-36	1.35	•	•	•
<b>crucial</b>	BLE4G4D32AEEA.K8FE(XMP)	4GB	SS	-	-	16-18-18-36	1.35	•	•	•
<b>crucial</b>	BLS16G4D32AESB.M16FE(XMP)	16GB	DS	-	-	16-18-18-36	1.35	•	•	
<b>crucial</b>	BLS16G4D32AEST.M16FE1(XMP)	16GB	DS	Micron	-	16-18-18-36	1.35	•	•	•
<b>Crucial</b>	BLS8G4D32AESBK.8FE(XMP)	8GB	SS	Micron	-	16-18-18-36	1.35	•	•	•
<b>crucial</b>	BLT8G4D32AET4K.M8FE1(XMP)	8GB	SS	Mircon	-	16-18-18-36	1.35	•	•	
<b>crucial</b>	CT16G4DFD832A.16FE1	16GB	DS	Micron	D9WFL	22-22-22-54	1.2	•	•	
<b>crucial</b>	CT4G4DS632A.4FJ1	4GB	SS	Micron	-	22-22-22-52	1.2	•	•	•
<b>crucial</b>	CT8G4DF832A.8FE1	8GB	SS	Micron	-	22-22-22-54	1.2	•	•	•
<b>G.SKILL</b>	F4-3200C14D-16GVK(XMP)	2x 8GB	SS	-	-	14-14-14-34	1.35	•	•	
<b>G.SKILL</b>	F4-3200C14Q-32GFX(XMP)	4x 8GB	SS	-	-	14-14-14-34	1.35	•	•	•
<b>G.SKILL</b>	F4-3200C16Q-32GTRS(XMP)	4x 8GB	SS	Hynix	-	16-18-18-38	1.35	•	•	•
<b>Hyper X</b>	HX432C16FB3AK4/32(XMP)	4x 8GB	SS	-	-	16-18-18-36	1.35	•	•	•
<b>Hyper X</b>	HX432C16FB3K4/128(XMP)	4x 32GB	DS	-	-	16-20-20-39	1.35	•	•	•
<b>Hyper X</b>	HX432C16FB3K4/32(XMP)	4x 8GB	SS	-	-	16-18-18-36	1.35	•	•	•
<b>Hyper X</b>	HX432C16PB3A/8(XMP)	8GB	SS	-	-	16-18-18-36	1.35	•	•	
<b>Hyper X</b>	HX432C16PB3AK4/32(XMP)	4x 8GB	SS	-	-	16-18-18-36	1.35	•	•	
<b>Hyper X</b>	HX432C16PB3K4/64(XMP)	4x 16GB	DS	-	-	16-18-18-36	1.35	•	•	
<b>Hyper X</b>	HX432C18FBK4/16	4x 4GB	SS	Micron	-	18-21-21-39	1.2	•	•	•
<b>KINGMAX</b>	GZOG43F-18SIGP(XMP)	8GB	SS	-	-	16-18-18-38	1.35	•	•	•
<b>Kingston</b>	KVR32N22S8/8	8GB	SS	Micron	D9W SM	22-22-22-52	1.2	•	•	•
<b>Micron</b>	MTA16ATF2G64AZ-3G2E1	16GB	DS	Micron	D9WFL	22-22-22-54	1.2	•	•	
<b>Micron</b>	MTA4ATF51264AZ-3G2J1	4GB	SS	Micron	-	22-22-22-52	1.2	•	•	•
<b>Micron</b>	MTA8ATF1G64AZ-3G2E1	8GB	SS	Micron	-	22-22-22-54	1.2	•	•	•
<b>SK Hynix</b>	HMA81GU6DJR8N-XN	8GB	SS	SK Hynix	H5AN8G8NDJ	22-22-22-52	1.2	•	•	•
<b>SK Hynix</b>	HMA82GU6DJR8N-XN	16GB	DS	SK Hynix	H5AN8G8NDJ	22-22-22-52	1.2	•	•	•
<b>SK Hynix</b>	HMA851U6DJR6N-XN	4GB	SS	SK Hynix	H5AN8G6NDJ	22-22-22-52	1.2	•	•	•
<b>Team</b>	PD48G3200HC2201	8GB	SS	Team	T4D10248NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TED416G3200C22DC01	2x 8GB	SS	Team	T4D10248NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TED44G3200C2201	4GB	SS	Team	T4D5128NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TED44G3200C22BK	4GB	SS	Team	T4D5128NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TED48G3200C2201	8GB	SS	Team	T4D10248NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TED48G3200C22BK	8GB	SS	Team	T4D10248NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TED48G3200C22DC01	2x 4GB	SS	Team	T4D5128NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TF2D48G3200HC16CBK(XMP)	8GB	SS	-	-	16-18-18-38	1.35	•	•	•
<b>Team</b>	TPD416G3200HC22DC01	2x 8GB	SS	Team	T4D10248NT-32	22-22-22-52	1.2	•	•	•

<b>Team</b>	TPD44G3200HC2201	4GB	SS	Team	T4D5128NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TPD48G3200HC22DC01	2x 4GB	SS	Team	T4D5128NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TPRD416G3200HC22DC01	2x 8GB	SS	Team	T4D10248NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TPRD44G3200HC2201	4GB	SS	Team	T4D5128NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TPRD48G3200HC2201	8GB	SS	Team	T4D10248NT-32	22-22-22-52	1.2	•	•	•
<b>Team</b>	TPRD48G3200HC22DC01	2x 4GB	SS	Team	T4D5128NT-32	22-22-22-52	1.2	•	•	•
<b>Thermaltake</b>	R009D408GX2-3200C16A(XMP)	2x 8GB	SS	SK Hynix	H5AN8G8NCJR-VKC	16-18-18-38	1.35	•	•	
<b>Thermaltake</b>	R009D408GX2-3200C16A(XMP)	2x 8GB	SS	SK Hynix	H5AN8G8NCJR-VKC	16-18-18-36	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
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- 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 D.O.C.P or apply manual settings.
  - The stability and compatibility of D.O.C.P 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.