

ROG Crosshair VIII Series

DDR4 4800 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
CORSAIR	CMK16GX4M2Z4800C18 ver3.31	16GB(8GB*2)	SS	Spektek		18-27-27-48	1.5V	•	

DDR4 4400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-4400C19D-16GTZSW	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.4V	•	
G.SKILL	F4-4400C19D-16GTZSKK	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.4V	•	
G.SKILL	F4-4400C18D-16GTZRS	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.4V	•	
G.SKILL	F4-4400C18D-16GTZRG	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.4V	•	
G.SKILL	F4-4400C18D-16GTZR	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.4V	•	
CORSAIR	CMK16GX4M2K4400C19 ver4.31	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.4V	•	
Thermaltake	R009D408GX2-4400C19A Ver 1.1.4	16GB(8GB*2)	SS	SK Hynix		19-25-25-45	1.45V	•	

DDR4 4333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
CORSAIR	CMK16GX4M2K4333C19 ver4.31	16GB(8GB*2)	SS	Samsung		19-26-26-46	1.4V	•	

DDR4 4266 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-4266C19D-16GTZA	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.4V	•	
G.SKILL	F4-4266C19D-16GTZSW	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.4V	•	
G.SKILL	F4-4266C19D-16GTZKW	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.4V	•	
G.SKILL	F4-4266C19D-16GTZR	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.4V	•	
G.SKILL	F4-4266C19D-16GTZRS	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.4V	•	
G.SKILL	F4-4266C19D-16GTZRG	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.4V	•	
CORSAIR	CMK16GX4M2K4266C19 ver4.31	16GB(8GB*2)	SS	Samsung		19-26-26-46	1.4V	•	
Hyper X	HX442C19PB3K2/16	16GB(8GB*2)	SS	Samsung		19-21-21-42	1.4V	•	

DDR4 4133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-4000C19D-16GTZC	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.35V	•	
G.SKILL	F4-4000C19D-16GTZSWC	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.35V	•	
G.SKILL	F4-4000C19D-16GTZKWC	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.35V	•	
G.SKILL	F4-4000C19D-16GTZR	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.35V	•	
G.SKILL	F4-4000C17D-16GTZR	16GB(8GB*2)	SS	Samsung		17-17-17-37	1.35V	•	
CORSAIR	CMK16GX4M2K4133C19 ver4.31	16GB(8GB*2)	SS	Samsung		19-25-25-45	1.35V	•	
Hyper X	HX441C19PB3K2/16	16GB(8GB*2)	SS	Samsung		19-23-23-45	1.35V	•	
GEIL	GLS416GB4133C19DC	16GB(8GB*2)	SS	Samsung		19-19-19-39	1.4V	•	

DDR4 4000 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-4000C18D-16GTZ	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	
G.SKILL	F4-4000C18D-16GTZSW	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	
G.SKILL	F4-4000C18D-16GTZKW	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	
G.SKILL	F4-4000C18D-16GTZR	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	
G.SKILL	F4-4000C17D-16GTZR	16GB(8GB*2)	SS	Samsung		17-17-17-37	1.35V	•	
G.SKILL	F4-4000C17D-16GTZRS	16GB(8GB*2)	SS	Samsung		17-17-17-37	1.35V	•	
G.SKILL	F4-4000C17D-16GTZRG	16GB(8GB*2)	SS	Samsung		17-17-17-37	1.35V	•	
CORSAIR	CMR16GX4M2F4000C19 ver4.31	16GB(8GB*2)	SS	Samsung		19-23-23-45	1.35V	•	
CORSAIR	CMK16GX4M2K4000C19 ver3.31	16GB(8GB*2)	SS	Spektek		19-23-23-45	1.35V	•	
CORSAIR	CMK16GX4M2K4000C19 ver4.31	16GB(8GB*2)	SS	Samsung		19-23-23-45	1.35V	•	
CORSAIR	CMW16GX4M2Z4000C18 ver3.31	16GB(8GB*2)	SS	Spektek		18-22-22-42	1.35V	•	
CORSAIR	CMK32GX4M4K4000C19 ver3.31	32GB(8GB*4)	SS	Spektek		19-23-23-45	1.35V	•	•
Hyper X	HX440C19PB3K2/16	16GB(8GB*2)	SS	Samsung		19-21-21-42	1.35V	•	
Hyper X	HX440C19PB3AK2/16	16GB(8GB*2)	SS	Samsung		19-21-21-42	1.35V	•	
A-DATA	AX4U400038G18-QRS	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	
CRUCIAL	BLE8G4D40BEEAK.M8FE1	8GB	SS	Micron		18-19-19-39	1.35V	•	•
TEAMGROUP	TXKD416G4000HC18EDC01	16GB(8GB*2)	SS	Samsung		18-20-20-44	1.35V	•	
TEAMGROUP	TF6D416G4000HC18EDC01	16GB(8GB*2)	SS	Samsung		18-20-20-44	1.35V	•	
Thermaltake	R009D408GX2-4000C19A Ver 1.1.4	16GB(8GB*2)	SS	SK Hynix		19-23-23-42	1.35V	•	•

DDR4 3866 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-3866C18D-16GTZ	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	
G.SKILL	F4-3866C18D-16GTZSW	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	
G.SKILL	F4-3866C18D-16GTZKW	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	
G.SKILL	F4-3866C18D-16GTZR	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	
A-DATA	AX4U386638G18-QRS	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	

DDR4 3600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
G.SKILL	F4-3600C18D-16GTZRX	16GB(8GB*2)	SS	SK Hynix		18-22-22-42	1.35V	•	
G.SKILL	F4-3600C15D-16GTRSB	16GB(8GB*2)	SS	Samsung		15-16-16-36	1.35V	•	
G.SKILL	F4-3600C16D-16GVKC	16GB(8GB*2)	SS	SK Hynix		16-19-19-39	1.35V	•	
G.SKILL	F4-3600C18D-16GVK	16GB(8GB*2)	SS	SK Hynix		18-22-22-42	1.35V	•	
G.SKILL	F4-3600C14D-16GTZN	16GB(8GB*2)	SS	Samsung		14-15-15-35	1.4V	•	
G.SKILL	F4-3600C16D-16GTZN	16GB(8GB*2)	SS	Samsung		16-16-16-36	1.35V	•	
G.SKILL	F4-3600C16D-16GTZNC	16GB(8GB*2)	SS	SK Hynix		16-19-19-39	1.35V	•	
G.SKILL	F4-3600C18D-16GTZN	16GB(8GB*2)	SS	SK Hynix		18-22-22-42	1.35V	•	
G.SKILL	F4-3600C14D-16GTZR	16GB(8GB*2)	SS	Samsung		14-15-15-35	1.4V	•	
G.SKILL	F4-3600C16D-16GTZR	16GB(8GB*2)	SS	Samsung		16-16-16-36	1.35V	•	
G.SKILL	F4-3600C16D-16GTZRC	16GB(8GB*2)	SS	SK Hynix		16-19-19-39	1.35V	•	
G.SKILL	F4-3600C18D-16GTZRC	16GB(8GB*2)	SS	SK Hynix		18-22-22-42	1.35V	•	
G.SKILL	F4-3600C14D-16GTRG	16GB(8GB*2)	SS	Samsung		14-15-15-35	1.4V	•	
G.SKILL	F4-3600C16D-16GTRG	16GB(8GB*2)	SS	Samsung		16-16-16-36	1.35V	•	
G.SKILL	F4-3600C16D-16GTRGC	16GB(8GB*2)	SS	SK Hynix		16-19-19-39	1.35V	•	
G.SKILL	F4-3600C18D-16GTRG	16GB(8GB*2)	SS	SK Hynix		18-22-22-42	1.35V	•	
G.SKILL	F4-3600C14D-16GTRS	16GB(8GB*2)	SS	Samsung		14-15-15-35	1.4V	•	
G.SKILL	F4-3600C16D-16GTRS	16GB(8GB*2)	SS	Samsung		16-16-16-36	1.35V	•	
G.SKILL	F4-3600C16D-16GTRSC	16GB(8GB*2)	SS	SK Hynix		16-19-19-39	1.35V	•	

G.SKILL	F4-3600C18D-16GTRS	16GB(8GB*2)	SS	SK Hynix		18-22-22-42	1.35V	•	
G.SKILL	F4-3600C16Q-32GVKC	32GB(8GB*4)	SS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18Q-32GVK	32GB(8GB*4)	SS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C14Q-32GTZN	32GB(8GB*4)	SS	Samsung		14-15-15-35	1.4V	•	•
G.SKILL	F4-3600C16Q-32GTZN	32GB(8GB*4)	SS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16Q-32GTZNC	32GB(8GB*4)	SS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18Q-32GTZN	32GB(8GB*4)	SS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C14Q-32GTZR	32GB(8GB*4)	SS	Samsung		14-15-15-35	1.4V	•	•
G.SKILL	F4-3600C16Q-32GTZR	32GB(8GB*4)	SS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16Q-32GTZRC	32GB(8GB*4)	SS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18Q-32GTZRC	32GB(8GB*4)	SS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C14Q-32GTRG	32GB(8GB*4)	SS	Samsung		14-15-15-35	1.4V	•	•
G.SKILL	F4-3600C16Q-32GTRG	32GB(8GB*4)	SS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16Q-32GTRGC	32GB(8GB*4)	SS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18Q-32GTRG	32GB(8GB*4)	SS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C14Q-32GTRS	32GB(8GB*4)	SS	Samsung		14-15-15-35	1.4V	•	•
G.SKILL	F4-3600C16Q-32GTRS	32GB(8GB*4)	SS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16Q-32GTRSC	32GB(8GB*4)	SS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18Q-32GTRS	32GB(8GB*4)	SS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C19Q-32GSXW	32GB(8GB*4)	SS	SK Hynix		19-19-19-39	1.35V	•	•
G.SKILL	F4-3600C16D-32GVKC	32GB(16GB*2)	DS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18D-32GVK	32GB(16GB*2)	DS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C16D-32GTZN	32GB(16GB*2)	DS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16D-32GTZNC	32GB(16GB*2)	DS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18D-32GTZN	32GB(16GB*2)	DS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C16D-32GTZR	32GB(16GB*2)	DS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16D-32GTZRC	32GB(16GB*2)	DS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C17D-32GTZR	32GB(16GB*2)	DS	Samsung		17-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18D-32GTZRC	32GB(16GB*2)	DS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C16D-32GTRG	32GB(16GB*2)	DS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16D-32GTRSC	32GB(16GB*2)	DS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18D-32GTRG	32GB(16GB*2)	DS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C16D-32GTRS	32GB(16GB*2)	DS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16D-32GTRSC	32GB(16GB*2)	DS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18D-32GTRS	32GB(16GB*2)	DS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C16Q-64GVKC	64GB(16GB*4)	DS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18Q-64GVK	64GB(16GB*4)	DS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C16Q-64GTZN	64GB(16GB*4)	DS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16Q-64GTZNC	64GB(16GB*4)	DS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18Q-64GTZN	64GB(16GB*4)	DS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C16Q-64GTZR	64GB(16GB*4)	DS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16Q-64GTZRC	64GB(16GB*4)	DS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18Q-64GTZRC	64GB(16GB*4)	DS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C16Q-64GTRG	64GB(16GB*4)	DS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16Q-64GTRGC	64GB(16GB*4)	DS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18Q-64GTRG	64GB(16GB*4)	DS	SK Hynix		18-22-22-42	1.35V	•	•
G.SKILL	F4-3600C16Q-64GTRS	64GB(16GB*4)	DS	Samsung		16-16-16-36	1.35V	•	•
G.SKILL	F4-3600C16Q-64GTRSC	64GB(16GB*4)	DS	SK Hynix		16-19-19-39	1.35V	•	•
G.SKILL	F4-3600C18Q-64GTRS	64GB(16GB*4)	DS	SK Hynix		18-22-22-42	1.35V	•	•
CORSAIR	CMK16GX4M2Z3600C18 ver3.31	16GB(8GB*2)	SS	Spectek		18-22-22-42	1.35V	•	•
CORSAIR	CMK16GX4M2D3600C18 ver3.31	16GB(8GB*2)	SS	Spectek		18-22-22-42	1.35V	•	•
CORSAIR	CMK16GX4M2B3600C18 ver5.32	16GB(8GB*2)	SS	SK Hynix		18-19-19-39	1.35V	•	•
CORSAIR	CMK16GX4M2Z3600C14 ver4.31	16GB(8GB*2)	SS	Samsung		14-16-16-36	1.45V	•	•
CORSAIR	CMT16GX4M2K3600C18 ver4.31	16GB(8GB*2)	SS	Samsung		16-18-18-36	1.35V	•	•
CORSAIR	CMT16GX4M2C3600C18 ver4.31	16GB(8GB*2)	SS	Samsung		18-19-19-39	1.35V	•	•
CORSAIR	CMT16GX4M2C3600C18 ver3.31	16GB(8GB*2)	SS	Spectek		18-19-19-39	1.35V	•	•
CORSAIR	CMW16GX4M2Z3600C18 ver3.31	16GB(8GB*2)	SS	Spectek		18-22-22-42	1.35V	•	•
CORSAIR	CMK32GX4M4D3600C18 ver3.31	32GB(8GB*4)	SS	Spectek		18-22-22-42	1.35V	•	•
CORSAIR	CMK32GX4M4B3600C18 ver4.31	32GB(8GB*4)	SS	Samsung		18-19-19-39	1.35V	•	•
CORSAIR	CMK32GX4M4B3600C18R ver4.31	32GB(8GB*4)	SS	Samsung		18-19-19-39	1.35V	•	•
CORSAIR	CMT32GX4M4C3600C18 ver3.31	32GB(8GB*4)	SS	Spectek		18-19-19-39	1.35V	•	•
CORSAIR	CMT32GX4M4K3600C18 ver4.31	32GB(8GB*4)	SS	Samsung		16-18-18-36	1.35V	•	•
CORSAIR	CMT32GX4M4C3600C18 ver4.31	32GB(8GB*4)	SS	Samsung		18-19-19-39	1.35V	•	•
CORSAIR	CMR32GX4M4C3600C18 ver4.31	32GB(8GB*4)	SS	Samsung		18-19-19-39	1.35V	•	•
CORSAIR	CMW32GX4M4C3600C16 ver4.31	32GB(8GB*4)	SS	Samsung		18-19-19-39	1.35V	•	•
CORSAIR	CMK32GX4M2K3600C16 ver4.31	32GB(16GB*2)	DS	Samsung		16-18-18-36	1.35V	•	•
ZADAK	ZD4-SHD3600C17-08GAS	8GB	SS	Samsung		17-19-19-39	1.35V	•	•
Hyper X	HX436C17PB3K4/32	32GB(8GB*4)	SS	Samsung		17-18-18-39	1.35V	•	•
Hyper X	HX436C17PB3AK4/32	32GB(8GB*4)	SS	Samsung		17-18-18-39	1.35V	•	•
Hyper X	HX436C17PB4K4/32	32GB(8GB*4)	SS	SK Hynix		17-19-19-39	1.35V	•	•
Hyper X	HX436C17PB4AK4/32	32GB(8GB*4)	SS	SK Hynix		17-19-19-39	1.35V	•	•
ADATA	AX4U360038G17-BRZ	8GB	SS	Samsung		17-18-18-38	1.35V	•	•
ADATA	AX4U360038G17-BR80	8GB	SS	Samsung		17-18-18-38	1.35V	•	•
V-COLOR	TL48G36S8BNR8B18	8GB	SS	SK Hynix		18-19-19-39	1.35V	•	•
CRUCIAL	BLE8G4D36BEEAK.M8FE1	8GB	SS	Micron		16-18-18-38	1.35V	•	•
CRUCIAL	BLS8G4D36BESBK.8FE	8GB	SS	Micron		16-18-18-38	1.35V	•	•
TEAMGROUP	TF1D416G3600HC18EDC01	16GB(8GB*2)	SS	Samsung		18-20-20-44	1.35V	•	•
TEAMGROUP	TF2D416G3600HC18EDC01	16GB(8GB*2)	SS	Samsung		18-20-20-44	1.35V	•	•
TEAMGROUP	TF5D416G3600HC18EDC01	16GB(8GB*2)	SS	Samsung		18-20-20-44	1.35V	•	•
TEAMGROUP	TF6D416G3600HC18EDC01	16GB(8GB*2)	SS	Samsung		18-20-20-44	1.35V	•	•

DDR4 3466 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								2 DIMM	4 DIMM	
CORSAIR	CMK16GX4M2Z3466C16 ver4.31	16GB(8GB*2)	SS	Samsung		16-18-18-36	1.35V	•	•	
CORSAIR	CMK32GX4M4B3466C16 ver4.31	32GB(8GB*4)	SS	Samsung		16-18-18-36	1.35V	•		

DDR4 3400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								2 DIMM	4 DIMM	
G.SKILL	F4-3400C16D-16GSXW	16GB(8GB*2)	SS	Samsung		16-16-16-36	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
ADATA	AX4U3200316G16-QGZ(XMP)	4x 16GB	DS	-	-	16-18-18-36	1.35	•	•	
ADATA	AX4U320038G16-BRS(XMP)	8x 8GB	SS	-	-	16-18-18-36	1.35	•	•	
ADATA	AX4U320038G16-BRZ(XMP)	8x 8GB	SS	ADATA	430A-0817A	16-18-18-36	1.35	•	•	
Apacer	AH4U08G32C08YNBAA(XMP)	8GB	SS	Apacer	AM6E6308CHHSE3	16-18-18-38	1.2	•	•	
Apacer	AHU08GGB26CDU7M(XMP)	8GB	SS	-	-	16-16-16-36	1.35	•	•	•
Apacer	AHU08GGB32CKU7M(XMP)	8GB	SS	-	-	16-16-16-36	1.35	•	•	•
CORSAIR	CMD16GX4M4B3200C15(Ver4.23)(XMP)	4x 4GB	SS	-	-	15-15-15-36	1.35	•	•	•

CORSAIR	CMW64GX4M8C3000C15(Ver5.32)(XMP)	8x 8GB	SS	SK Hynix	-	15-17-17-35	1.35	•	•
crucial	BLE4G4D30AEEA.K8FE(XMP)	4GB	SS	Samsung	-	15-16-16-35	1.35	•	•
crucial	BLE8G4D30AEEA.K16FE(XMP)	8GB	DS	Samsung	-	15-16-16-35	1.35	•	•
crucial	BLS16G4D30AESB.M16FE1(XMP)	16GB	DS	Micron	-	15-16-16-35	1.35	•	•
crucial	BLS8G4D30AESBK.M8FE(XMP)	8GB	SS	Micron	-	15-16-16-35	1.35	•	•
crucial	BLT4G4D30AETA.K8FE(XMP)	4GB	SS	Samsung	-	15-16-16-35	1.35	•	•
crucial	BLT8G4D30AETA.K16FE(XMP)	8GB	DS	Samsung	-	15-16-16-35	1.35	•	•
Crucial	BLT8G4D30BET4K.C8FD(XMP)	8GB	SS	Micron	-	16-18-18-38	1.35	•	•
G.SKILL	F4-3000C14Q2-128GVK(XMP)	8x 16GB	DS	Samsung	-	15-15-15-36	1.35	•	•
G.SKILL	F4-3000C15D-8GTZB(XMP)	2x 4GB	SS	Samsung	-	15-16-16-35	1.35	•	•
G.SKILL	F4-3000C15Q-16GRK(XMP)	4x 4GB	SS	Samsung	-	15-15-15-35	1.35	•	•
G.SKILL	F4-3000C15Q-32GRK(XMP)	4x 8GB	DS	Samsung	-	15-15-15-35	1.35	•	•
G.SKILL	F4-3000C16D-16GTZR(XMP)	2x 8GB	SS	SK Hynix	-	16-18-18-38	1.35	•	•
G.SKILL	F4-3000C16Q2-128GVKB(XMP)	8x 16GB	DS	SK Hynix	-	16-18-18-38	1.35	•	•
GeIL	GEXB432GB3000C15AQC(XMP)	4x 8GB	SS	Samsung	-	15-17-17-35	1.35	•	•
GeIL	GLR416GB3000C15ADC(XMP)	8GB	SS	SK Hynix	-	15-17-17-35	1.35	•	•
GeIL	GLR416GB3000C16QC(XMP)	4x 4GB	SS	Samsung	-	16-16-16-36	1.35	•	•
Hyper X	HX430C15PB2K4/16(XMP)	4x 4GB	SS	SK Hynix	-	15-16-16-39	1.35	•	•
Hyper X	HX430C15PB3/16(XMP)	16GB	DS	SK Hynix	-	15-17-17-36	1.35	•	•
Hyper X	HX430C15PB3/8(XMP)	8GB	SS	SK Hynix	-	15-17-17-36	1.2	•	•
Hyper X	HX430C15PB3AK4/32(XMP)	4x 8GB	SS	Hynix	-	15-17-17-36	1.35	•	•
Hyper X	HX430C15PB3AK4/64(XMP)	4x 16GB	DS	Hynix	-	15-17-17-36	1.35	•	•
Hyper X	HX430C15PB3K2/16(XMP)	2x 8GB	SS	SK Hynix	-	15-17-17-36	1.35	•	•
Hyper X	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	HX430C16PBK4/64(XMP)	4x 16GB	DS	SK Hynix	-	16-16-16-39	1.35	•	•
INNO3D	RXC2-16G3000A(XMP)	2x 8GB	SS	Micron	-	16-18-18-36	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-FFFHAB(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-FFFHMB(XMP)	8GB	SS	SK Hynix	-	15-15-16-36	1.2	•	•
Klevv	IM44AGU88A30-FGGHMZ(XMP)	16GB	DS	SK Hynix	-	15-15-16-36	1.35	•	•
Klevv	IM44AGU88N30-FFFHMB(XMP)	16GB	DS	SK Hynix	-	15-15-16-36	1.2	•	•
NEO FORZA	NFMUD416E8-3000DB2A(XMP)	16GB	DS	SK Hynix	-	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DB3A(XMP)	16GB	DS	SK Hynix	-	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DC2A(XMP)	16GB	DS	SK Hynix	-	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DC3A(XMP)	16GB	DS	SK Hynix	-	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DD2A(XMP)	16GB	DS	SK Hynix	-	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DD3A(XMP)	16GB	DS	SK Hynix	-	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DH2A(XMP)	16GB	DS	SK Hynix	-	15-17-17-35	-	•	•
NEO FORZA	NFMUD416E8-3000DH2A(XMP)	16GB	DS	SK Hynix	-	15-17-17-35	-	•	•
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	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	•	•
Team	TF3D48G3000HC16CBK(XMP)	8GB	SS	Hynix	-	16-18-18-38	1.35	•	•
Team	TLTYD432G3000HC16CDC01(XMP)	2x 16GB	SS	Micron	-	16-18-18-38	1.35	•	•
V-color	TL48G30S816RGB(XMP)	8GB	SS	SK Hynix	-	16-18-18-38	1.35	•	•
V-color	TL48G30S8SRGB15(XMP)	8GB	SS	SK Hynix	-	15-15-16-35	1.35	•	•
ZADAK	ZD4-MO23000C16-08GAG(XMP)	8GB	SS	Samsung	-	16-18-18-38	1.35	•	•

DDR4 2933 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	CMK128GX4M8Z2933C16(Ver4.31)	8x 16GB	DS	Samsung	-	16-18-18-36	1.35	•	•	•
CORSAIR	CMK128GX4M8Z2933C16(Ver4.31)(XMP)	8x 16GB	DS	Samsung	-	16-18-18-36	1.35	•	•	•
G.SKILL	F4-2933C16D-16GFX(XMP)	2x 8GB	SS	Samsung	-	16-16-16-36	1.35	•	•	•
G.SKILL	F4-2933C16Q-32GFX(XMP)	4x 8GB	SS	Samsung	-	16-16-16-36	1.35	•	•	•
Hyper X	HX429C15PB3AK4/32(XMP)	4x 8GB	SS	Micron	-	15-17-17-39	1.35	•	•	•
Hyper X	HX429C17FB/16(XMP)	16GB	DS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FB/4	4GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FB2/8(XMP)	8GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FB2K2/16(XMP)	2x 8GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FB2K4/32(XMP)	4x 8GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FBK2/32(XMP)	2x 16GB	DS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FBK2/8	2x 4GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FBK4/16	4x 4GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FBK4/64(XMP)	4x 16GB	DS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FR/16(XMP)	16GB	DS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FR2/8(XMP)	8GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FR2K2/16(XMP)	2x 8GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FR2K4/32(XMP)	4x 8GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FRK2/32(XMP)	2x 16GB	DS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FRK4/64(XMP)	4x 16GB	DS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FW/16(XMP)	16GB	DS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FW2/8(XMP)	8GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FW2K2/16(XMP)	2x 8GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FW2K4/32(XMP)	4x 8GB	SS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FWK2/32(XMP)	2x 16GB	DS	Micron	-	17-19-19-39	1.2	•	•	•
Hyper X	HX429C17FWK4/64(XMP)	2x 16GB	DS	Micron	-	17-19-19-39	1.2	•	•	•

Apacer	AU04GGB24CETBGH	4GB	SS	Micron	AM6F7080THSB2	17-17-17-39	1.2	•	•
Apacer	AU04GGB24CEWBGH	4GB	DS	SK Hynix	H5AN4G6NAFRUHC	17-17-17-39	-	•	•
Apacer	AU08GGB24CEYBGH	8GB	SS	Apacer	AM6F63080HJMB2	17-17-17-39	-	•	•
Apacer	EK.08G2T.GEC(XMP)	8GB	SS	Micron	-	17-17-17-39	-	•	•
Apacer	EL.04G2T.KFH	4GB	SS	Micron	AM6F67080THSB2	17-17-17-39	1.2	•	•
Apacer	EL.04G2T.LFH	4GB	DS	SK Hynix	H5AN4G6NAFRUHC	17-17-17-39	-	•	•
Apacer	EL.08G2T.GFH	8GB	SS	Apacer	AM6F63080HJMB2	17-17-17-39	-	•	•
Apacer	EL.08G2T.GFM	8GB	SS	SK Hynix	AM6F6308MHHHSB2	17-17-17-39	-	•	•
Asgard	VML41UE-MIC1U22Q1	2GB	SS	Micron	-	17-17-17-39	1.2	•	•
CORSAIR	CMK128GX4M8A2400C14(Ver3.31)(XMP)	8x 16GB	DS	Micron	-	15-16-16-31	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.16FB1	16GB	DS	Micron	D9TBH	17-17-17-39	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	F4-2400C15Q2-84GRK(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	•	•
GALAX	Gamer Aurira Vision (XMP)	8GB	SS	Micron	-	17-16-16-36	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	GEL416GB2400C17SC	16GB	DS	GeIL	CG4L1GM88BA093AH	17-17-17-39	-	•	•
GeIL	GEL48GB2400C17SC	8GB	SS	GeIL	GEL48GB2400C17SC	17-17-17-39	-	•	•
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	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	HX424C15FB2/8(XMP)	8GB	SS	Hynix	-	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK2/32	2x 16GB	DS	Hynix	-	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK2/32	2x 16GB	DS	Nanya	-	15-15-15-35	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	HX424C15FBK4/32	4x 8GB	DS	PSC	-	15-15-15-35	1.2	•	•
Hyper X	HX424C15FBK4/64	4x 16GB	DS	Micron	-	15-15-15-35	1.2	•	•
J&A	JRLL4U2400172408-8M	8GB	SS	-	PPE34-093DG	17-17-17-39	1.2	•	•
J&A	JRLL4U2400172408-4M	4GB	SS	-	PPE62-093DG	17-17-17-39	1.2	•	•
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	KVR24N17S6/4	4GB	SS	Micron	-	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	IM48GU88N24-FFFHMZ(XMP)	16GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•
Micron	MTA16ATF2G64A2-2G3B1	16GB	DS	Micron	D9TBH	17-17-17-39	1.2	•	•
panram	W4U2400PS-8G	8GB	SS	SK Hynix	DTCH912G2	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	H5AN4GBNAFRFTFC	14-16-16-31	1.2	•	•
Team	TCD48G2400C14BK(XMP)	8GB	SS	-	T4D10248MT-24	15-16-16-31	1.2	•	•
Team	TED416G2400C16BK	16GB	DS	Micron	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TED416G2400C16DC01	2x 8GB	SS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TED416G2400C16QC01	4x 4GB	SS	Team	H5AN4G8NAFR	16-16-16-39	1.2	•	•
Team	TED432G2400C16QC01	4x 8GB	SS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TED44G2400C1601	4GB	SS	Team	H5AN4G8NAFR	16-16-16-39	1.2	•	•
Team	TED44G2400C16BK	4GB	SS	Team	H5AN4G8NAFR	16-16-16-39	1.2	•	•
Team	TED48G2400C1601	8GB	SS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TED48G2400C16BK	8GB	SS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TED48G2400C16BK	8GB	DS	SK Hynix	T4D5128HT-24	16-16-16-39	1.2	•	•
Team	TED48G2400C16DC01	2x 4GB	SS	Team	H5AN4G8NAFR	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	•	•
Team	TLTYD416G2400HC14DC01(XMP)	2x 8GB	SS	SK Hynix	-	14-16-16-31	1.2	•	•

Team	TLTYD432G2400HC15BDC01(XMP)	2x 16GB	SS	SK Hynix	-	15-17-17-35	1.2	•	•
Team	TPD416G2400HC16DC01	2x 8GB	SS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TPD416G2400HC16QC01	4x 4GB	SS	Team	H5AN4G8NAFR	16-16-16-39	1.2	•	•
Team	TPD432G2400HC16QC01	4x 8GB	SS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TPD44G2400HC1601	4GB	SS	Team	H5AN4G8NAFR	16-16-16-39	1.2	•	•
Team	TPD48G2400HC1601	8GB	SS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TPD48G2400HC16DC01	2x 4GB	SS	Team	H5AN4G8NAFR	16-16-16-39	1.2	•	•
Team	TPRD416G2400HC16DC01	2x 8GB	SS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TPRD416G2400HC16QC01	4x 4GB	SS	Team	H5AN4G8NAFR	16-16-16-39	1.2	•	•
Team	TPRD432G2400HC16QC01	4x 8GB	SS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TPRD44G2400HC1601	4GB	SS	Team	H5AN4G8NAFR	16-16-16-39	1.2	•	•
Team	TPRD48G2400HC1601	8GB	SS	Team	T4D10248MT-24	16-16-16-39	1.2	•	•
Team	TPRD48G2400HC16DC01	2x 4GB	SS	Team	H5AN4G8NAFR	16-16-16-39	1.2	•	•
V-color	TD4G8C17-UH	4GB	SS	SK Hynix	DW3J0460HM	15-15-15-36	1.2	•	•

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	AU04GGB13CDWVBGH	4GB	DS	Micron	PPE05-075E	15-15-15-36	1.2	•	•	•
Apacer	AU08GGB13CDYBGBH	8GB	SS	Micron	AM6F6308BTHSB2	15-15-15-36	1.2	•	•	•
Apacer	EL.04G2R.LDH	4GB	DS	Micron	PPE05-075E	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	CMK64GX4M8A2133C13(Ver5.39)(XMP)	8x 8GB	SS	SK Hynix	-	14-15-15-28	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	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	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	-	•	•	•
GeIL	GPR416GB2133C15QC	4x 4GB	SS	Micron	-	15-15-15-36	1.2	•	•	•
GeIL	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	HX421C14FBK/4	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	•	•	•
Hyper X	HX421C14FBK4/64	4x 16GB	DS	Micron	-	15-15-15-35	1.2	•	•	•
Hyper X	HX421C14FBK8/64	8x 8GB	DS	SK Hynix	-	14-14-14-35	1.2	•	•	•
Kingston	KVR21N15D8/16	16GB	DS	Micron	D9VHP	15-15-15-36	1.2	•	•	•
Kingston	KVR21N15D8/8	8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	1.2	•	•	•
Klevv	IM44GU48N21-FFFHAB(XMP)	4GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•	•
Klevv	IM48GU88N21-FFFHMB(XMP)	8GB	SS	SK Hynix	-	15-15-15-35	1.2	•	•	•
Klevv	IM4AGU88N21-FFFHMB(XMP)	16GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•	•
Klevv	KM4C8GX4N-2133-15-15-15-35-0	8GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•	•
Klevv	KM4C8GX4N-2133-15-15-15-35-1	4x 8GB	DS	SK Hynix	-	15-15-15-35	1.2	•	•	•
Micron	MTA8ATF1G64AZ-2G1B1	8GB	SS	Micron	-	15-15-15-36	1.2	•	•	•
Micron	MTA8ATF51264AZ-2G1A2	4GB	SS	Micron	D9RG0	15-15-15-36	-	•	•	•
panram	W4U2133PS-8G	8GB	SS	SK Hynix	DTCC872HA2	16-16-16-36	-	•	•	•
SanMax	SMD-4G28HP-21P	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	-	•	•	•
SanMax	SMD-8G28HP-21P	8GB	DS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-37	-	•	•	•
Silicon Power	SP004GBLFU213N01	4GB	SS	Samsung	K4A4G085WD	15-15-15-37	-	•	•	•
Silicon Power	SP008GBLFU213N01	8GB	DS	Samsung	K4A4G085WD	15-15-15-37	-	•	•	•
SK Hynix	HMA41GU7AFR8N-TF	8GB	DS	SK Hynix	H5AN4G8NAFR	15-15-15-36	-	•	•	•
SK Hynix	HMA451U7AFR8N-TF	4GB	SS	SK Hynix	H5AN4G8NAFR	15-15-15-36	-	•	•	•
SK Hynix	HMA82GU6MFR8N-TF	16GB	DS	SK Hynix	H5AN8G8NMFRTFC	15-15-15-36	-	•	•	•
SK Hynix	HMA82GU7MFR8N-TF	16GB	DS	SK Hynix	H5AN8G8NMFR	15-15-15-36	-	•	•	•
SUPER TALENT	FBU2B008GM	8GB	DS	Micron	D9RGQ	15-15-15-36	1.2	•	•	•
Team	TED416G2133C15BK	16GB	DS	Micron	T4D10248MT-24	15-15-15-36	1.2	•	•	•
Team	TED44GM2133C15ABK	4GB	SS	SK Hynix	H5AN4G8NMFRTFC	15-15-15-36	1.2	•	•	•
UMAX	84G44G93MC-21OMCALGF15	4GB	SS	Micron	D9RGQ	15-15-15-36	-	•	•	•
UMAX	84G48G93MC-21OMCGNGF15	8GB	DS	Micron	D9RGQ	15-15-15-36	-	•	•	•
V-color	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

- 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.