

Qualified Vendors List (QVL) X399 AORUS XTREME

DDR4 3600MHz														
Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support			XMP	Native	ECC
									2	4	8			
G.SKILL	8GB	1Rx8	F4-3600C17Q-32GVK	SS			17-18-18-38	1.35v	V	V		V	2133	
G.SKILL	8GB	1Rx8	F4-3600C19Q-32GSXW	SS			19-19-19-39	1.35v	V	V		V	2133	
HyperX	4GB	1Rx8	HX436C17PB3AK4/32	SS	Samsung		17-18-18-39	1.35v	V	V		V	2400	
HyperX	4GB	1Rx8	HX436C17PB3AK2/16	SS	Samsung		17-18-18-39	1.35v	V			V	2400	
HyperX	4GB	1Rx8	HX436C17PB3A/8	SS	Samsung		17-18-18-39	1.35v	V			V	2400	
Apacer	8GB	1Rx8	AHU08GGB36CJU5H	SS			18-18-18-42	1.35v	V	V		V	2400	
Team	8GB	1Rx8	TXD432G3600HC18AQC01	SS	Samsung		18-20-20-39	1.35v	V			V	2133	
Team	8GB	1Rx8	TXGD432G3600HC18AQC01	SS	Samsung		18-20-20-39	1.35v	V			V	2133	
Team	8GB	1Rx8	TXD416G3600HC18ADC01	SS	Samsung		18-20-20-39	1.35v	V			V	2133	
Team	8GB	1Rx8	TXGD416G3600HC18ADC01	SS	Samsung		18-20-20-39	1.35v	V			V	2133	

DDR4 3400~3466MHz														
Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support			XMP	Native	ECC
									2	4	8			
CORSAIR	8GB	1Rx8	CMK32GX4M4B3466C16	SS			16-18-18-36	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMK32GX4M4B3466C16R	SS			16-18-18-36	1.35v	V			V	2133	
CORSAIR	8GB	1Rx8	CMU32GX4M4C3400C16R	SS			16-18-18-36	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMU32GX4M4C3400C16	SS			16-18-18-36	1.35v	V			V	2133	
CORSAIR	8GB	1Rx8	CMU32GX4M4B3466C16	SS			16-18-18-36	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMR32GX4M4C3466C16 ver.4.31	SS	Samsung		16-18-18-36	1.35v	V	V		V	2133	
G.SKILL	8GB	1Rx8	F4-3400C16Q2-64GTZ	SS	Samsung		16-18-18-38	1.35v	V	V		V	2133	
G.SKILL	8GB	1Rx8	F4-3466C16Q2-64GTZ	SS	Samsung		16-18-18-38	1.35v	V	V		V	2133	
G.SKILL	8GB	1Rx8	F4-3400C16D-16GSXW	SS			16-16-16-36	1.35v	V	V		V	2133	
HyperX	8GB	1Rx8	HX434C19FB2/8	SS	Micron		CL19	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX434C19FB2K2/16	SS	Micron		CL19	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX434C19FB2K4/32	SS	Micron		CL19	1.2v	V	V		V	2933	
HyperX	8GB	1Rx8	HX434C19FW2/8	SS	Micron		CL19	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX434C19FW2K2/16	SS	Micron		CL19	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX434C19FW2K4/32	SS	Micron		CL19	1.2v	V	V		V	2933	
HyperX	8GB	1Rx8	HX434C19FR2/8	SS	Micron		CL19	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX434C19FR2K2/16	SS	Micron		CL19	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX434C19FR2K4/32	SS	Micron		CL19	1.2v	V	V		V	2933	
HyperX	8GB	1Rx8	HX434C19FB2/8	DS	Micron		CL19	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX434C19FB2K2/32	DS	Micron		CL19	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX434C19FB2K4/64	DS	Micron		CL19	1.2v	V	V		V	2933	
HyperX	16GB	2Rx8	HX434C19FW2/16	DS	Micron		CL19	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX434C19FW2K2/32	DS	Micron		CL19	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX434C19FW2K4/64	DS	Micron		CL19	1.2v	V	V		V	2933	
HyperX	16GB	2Rx8	HX434C19FR2/8	DS	Micron		CL19	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX434C19FR2K2/16	DS	Micron		CL19	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX434C19FR2K2/32	DS	Micron		CL19	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX434C19FR2K4/64	DS	Micron		CL19	1.2v	V	V		V	2933	
PATRIOT	8GB	1Rx8	PV416G340C6K	SS			CL16	1.35v	V	V		V	2133	

DDR4 3300~3333MHz														
Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support			XMP	Native	ECC
									2	4	8			
HyperX	8GB	1Rx8	HX433C16PB3K2/16	SS			16-18-18	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMD64GX4M8B3333C16 ver.4.31	SS	Samsung		16-18-18-36	1.35v	V	V		V	2133	
G.SKILL	8GB	1Rx8	F4-3300C16Q2-64GTZSW	SS	Samsung		16-16-16-36	1.35v	V	V		V	2133	

DDR4 3200MHz														
Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage	Memory socket support			XMP	Native	ECC
									2	4	8			
HyperX	8GB	1Rx8	HX432C16PB3K4/32	SS	Hynix		16-18-18	1.35v	V	V		V	2133	
			HX432C16PB3K2/16	SS	Hynix		16-18-18	1.35v	V			V	2133	
HyperX	8GB	1Rx8	HX432C18FB2/8	SS	Micron		CL18	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX432C18FB2K2/16	SS	Micron		CL18	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX432C18FB2K4/32	SS	Micron		CL18	1.2v	V	V		V	2933	
HyperX	8GB	1Rx8	HX432C18FW2/8	SS	Micron		CL18	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX432C18FW2K2/16	SS	Micron		CL18	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX432C18FW2K4/32	SS	Micron		CL18	1.2v	V	V		V	2933	
HyperX	8GB	1Rx8	HX432C18FR2/8	SS	Micron		CL18	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX432C18FR2K2/16	SS	Micron		CL18	1.2v	V			V	2933	
HyperX	8GB	1Rx8	HX432C18FR2K4/32	SS	Micron		CL18	1.2v	V	V		V	2933	
HyperX	16GB	2Rx8	HX432C18FB2/16	DS	Micron		CL18	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX432C18FB2K2/32	DS	Micron		CL18	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX432C18FB2K4/64	DS	Micron		CL18	1.2v	V	V		V	2933	
HyperX	16GB	2Rx8	HX432C18FW2/16	DS	Micron		CL18	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX432C18FW2K2/32	DS	Micron		CL18	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX432C18FW2K4/64	DS	Micron		CL18	1.2v	V	V		V	2933	
HyperX	16GB	2Rx8	HX432C18FR2/16	DS	Micron		CL18	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX432C18FR2K2/32	DS	Micron		CL18	1.2v	V			V	2933	
HyperX	16GB	2Rx8	HX432C18FR2K4/64	DS	Micron		CL18	1.2v	V	V		V	2933	
CORSAIR	4GB	1Rx8	CMK16GX4M4B3200C15	SS			16-17-17-35	1.35v	V	V		V	2133	
CORSAIR	4GB	1Rx8	CMK16GX4M4B3200C16	SS			16-18-18-36	1.35v	V	V		V	2133	
CORSAIR	4GB	1Rx8	CMD16GX4M4C3200C15	SS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	4GB	1Rx8	CMD16GX4M4C3200C16 ver.4.24	SS	Samsung		16-18-18-36	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMD64GX4M8B3200C16	SS			16-18-18-36	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMW32GX4M4C3200C16 ver.5.32	SS	Hynix		16-18-18-36	1.35v	V	V		V	2133	
CORSAIR	16GB	2Rx8	CMK32GX4M2B3200C16	DS			16-18-18-36	1.35v	V	V		V	2133	
CORSAIR	16GB	2Rx8	CMK32GX4M2B3200C16R	DS			16-18-18-36	1.35v	V			V	2133	
CORSAIR	16GB	2Rx8	CMK32GX4M2B3200C16W	DS			16-18-18-36	1.35v	V			V	2133	
CORSAIR	16GB	2Rx8	CMK64GX4M4B3200C16	DS			16-18-18-36	1.35v	V	V		V	2133	
CORSAIR	16GB	2Rx8	CMU32GX4M2C3200C16 ver.4.31	DS	Samsung		16-18-18-36	1.35v	V			V	2133	

CORSAIR	16GB	2Rx8	CMU32GX4M2C3200C16R ver4.31	DS	Samsung		16-18-18-36	1.35v	V			V	2133
G.SKILL	4GB	1Rx8	F4-3200C16Q-16GRK	SS			16-16-16-36	1.35v	V	V		V	2133
G.SKILL	8GB	1Rx8	F4-3200C14Q2-64GVK	SS	Samsung		14-14-14-34	1.35v	V	V		V	2133
G.SKILL	8GB	1Rx8	F4-3200C15Q2-64GVR	SS	Samsung		15-15-15-35	1.35v	V	V		V	2133
G.SKILL	8GB	1Rx8	F4-3200C16Q-32GVBR	SS	Samsung		15-15-15-35	1.35v	V	V		V	2133
G.SKILL	8GB	1Rx8	F4-3200C14Q-32GFX	SS			14-14-14-34	1.35v	V	V		V	2133
G.SKILL	8GB	1Rx8	F4-3200C16Q-32GTZR	SS			16-18-18-38	1.35v	V	V		V	2133
G.SKILL	8GB	1Rx8	F4-3200C16Q-32GTZR	SS			16-18-18-38	1.35v	V	V		V	2133
G.SKILL	8GB	1Rx8	F4-3200C14Q-32GTZR	SS			14-14-14-34	1.35V	V	V		V	2133
G.SKILL	16GB	2Rx8	F4-3200C16Q-64GVK	DS	Samsung		16-18-18-38	1.35v	V	V		V	2133
AORUS	8GB	1Rx8	GP-AR32C16S8K2SU416R	SS	Samsung		16-18-18-38	1.35v	V	V		V	2133
ADATA	4GB	1Rx8	AX4U3200W4G16-BGZ	SS	Samsung		16-16-16	1.35v	V			V	2133
ADATA	4GB	1Rx8	AX4U3200W4G16-DGZ	SS	Samsung		16-16-16	1.35v	V			V	2133
ADATA	4GB	1Rx8	AX4U3200W4G16-QGZ	SS	Samsung		16-16-16	1.35v	V	V		V	2133
ADATA	8GB	1Rx8	AX4U320038G16-B	SS	Samsung		16-16-16	1.35v	V	V		V	2133
ADATA	8GB	1Rx8	AX4U320038G16-BRS	SS			16-18-18	1.35v	V			V	2133
ADATA	8GB	1Rx8	AX4U320038G16-SRS	SS			16-18-18	1.35v	V			V	2133
ADATA	8GB	1Rx8	AX4U320038G16-DRS	SS			16-18-18	1.35v	V			V	2133
ADATA	8GB	1Rx8	AX4U320038G16-QRS	SS			16-18-18	1.35v	V	V		V	2133
Apacer	4GB	1Rx8	78.BAGMD.AF20B	SS			16-16-16-36	1.35v	V	V		V	2133
GEIL	4GB	1Rx8	GPR416GB3200C16QC	SS			16-16-16-36	1.35v	V	V		V	2133
GEIL	8GB	1Rx8	GEX416GB3200C16DC	SS			16-16-16-36	1.35v	V	V		V	2133
GEIL	8GB	1Rx8	GAFY416GB3200C16ADC	SS			16-18-18-36	1.35v	V	V		V	2133
PATRIOT	4GB	1Rx8	PV48G320C6K	SS			CL16	1.35v	V	V		V	2133
PATRIOT	8GB	1Rx8	PV416G320C6K	SS			CL16	1.35v	V	V		V	2133
PATRIOT	8GB	1Rx8	PVR416G320C6K	SS			16-18-18-36	1.35v	V	V		V	2133
PATRIOT	8GB	1Rx8	PVR416G320C6KW	SS			16-18-18-36	1.35v	V	V		V	2133
SUPER TALENT	4GB	1Rx8	F3200UA4G	SS			16-18-18-36	1.35v	V	V		V	2133
Neo Forza	8GB	1Rx8	NMUD480E81-3200DD30	SS	Hynix		16-18-18-16	1.35v	V	V		V	2133

DDR4 3000MHz

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage				XMP	Native	ECC
									2	4	8			
HyperX	8GB	1Rx8	HX430C15PB3K4/32	SS	Hynix		C15	1.35v	V	V		V	2133	
HyperX	8GB	1Rx8	HX430C15PB3K2/16	SS	Hynix		C15	1.35v	V			V	2133	
HyperX	8GB	1Rx8	HX430C15PB3/8	SS	Hynix		C15	1.35v	V			V	2133	
HyperX	16GB	2Rx8	HX430C15PB3K4/64	DS	Hynix		C15	1.35v	V	V		V	2133	
HyperX	16GB	2Rx8	HX430C15PB3K2/32	DS	Hynix		C15	1.35v	V			V	2133	
HyperX	16GB	2Rx8	HX430C15PB3K8/128	DS	Hynix		C15	1.35v	V	V	V	V	2133	
HyperX	16GB	2Rx8	HX430C15PB3K4/64	DS	Hynix		C15	1.35v	V	V		V	2133	
HyperX	16GB	2Rx8	HX430C15PB3K2/32	DS	Hynix		C15	1.35v	V			V	2133	
CORSAIR	4GB	1Rx8	CMD16GX4M4B3000C15	SS	Samsung		15-17-17-35	1.35v	V			V	2133	
CORSAIR	4GB	1Rx8	CMK16GX4M4B3000C15	SS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	4GB	1Rx8	CMK16GX4M4B3000C15B	SS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	4GB	1Rx8	CMK16GX4M4B3000C15R	SS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	4GB	1Rx8	CMD16GX4M4B3000C14	SS			14-16-16-35	1.35v	V	V	V	V	2133	
CORSAIR	4GB	1Rx8	CMK8GX4M2B3000C15	SS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	4GB	1Rx8	CMK8GX4M2B3000C15R	SS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	2Rx8	CMK16GX4M2B3000C15 ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	2Rx8	CMK16GX4M2B3000C15B ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	2Rx8	CMK16GX4M2B3000C15R ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	2Rx8	CMK16GX4M2B3000C15W ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	2Rx8	CMD16GX4M2B3000C15 ver4.23	DS	Samsung		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	2Rx8	CMD32GX4M4C3000C15 ver4.24	DS	Samsung		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	2Rx8	CMU16GX4M2C3000C15 ver5.30	DS	Hynix		15-17-17-35	1.35v	V			V	2133	
CORSAIR	8GB	2Rx8	CMU16GX4M2C3000C15R ver5.30	DS	Hynix		15-17-17-35	1.35v	V			V	2133	
CORSAIR	8GB	2Rx8	CMU32GX4M4C3000C15	DS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	2Rx8	CMU32GX4M4C3000C15R	DS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15B ver5.30	SS	Hynix		15-17-17-35	1.35v	V			V	2133	
CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15R ver5.30	SS	Hynix		15-17-17-35	1.35v	V			V	2133	
CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15W ver5.30	SS	Hynix		15-17-17-35	1.35v	V			V	2133	
CORSAIR	8GB	2Rx8	CM4X8GC3000C15K4-CN ver4.24	DS	Samsung		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMD32GX4M4C3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMR32GX4M4C3000C15 ver4.31	SS	Samsung		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMD16GX4M2B3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMR16GX4M2C3000C15 ver4.31	SS	Samsung		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMR64GX4M8C3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15 ver3.32	SS	Micron		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMD32GX4M4C3000C15 ver3.32	SS	Micron		15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	8GB	1Rx8	CMK16GX4M2C3000C16 ver3.31	SS	Micron		16-18-18-36	1.35v	V			V	2133	
CORSAIR	8GB	1Rx8	CMR16GX4M2C3000C15 ver5.30	SS	Hynix		15-17-17-35	1.35v	V			V	2133	
CORSAIR	16GB	2Rx8	CMK64GX4M4B3000C15	DS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	16GB	2Rx8	CMK128GX4M8B3000C16	DS			16-18-18-36	1.35v	V	V	V	V	2133	
CORSAIR	16GB	2Rx8	CMU32GX4M2C3000C15R	DS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	16GB	2Rx8	CMU32GX4M2C3000C15	DS			15-17-17-35	1.35v	V	V		V	2133	
CORSAIR	16GB	2Rx8	CMR32GX4M2C3000C15 ver4.31	DS	Samsung		15-17-17-35	1.35v	V			V	2133	
CRUCIAL	8GB	1Rx8	BLT8GD4030BET4K.C8FD	SS	Micron		16-18-18-38	1.35v	V	V	V	V	2400	
G.SKILL	4GB	1Rx8	F4-3000C15Q-16GVR	SS			15-15-15-35	1.35v	V	V		V	2133	
G.SKILL	8GB	1Rx8	F4-3000C15Q2-64GVR	SS			15-15-15-35	1.35v	V	V		V	2133	
G.SKILL	8GB	1Rx8	F4-3000C16D-16GTZR	SS			16-18-18-38	1.35v	V			V	2133	
G.SKILL	16GB	2Rx8	F4-3000C14Q2-128GVKD	DS			14-14-14-34	1.35v	V	V		V	2133	
GALAX	8GB	2Rx8	Gamer II RGB DDR4 3000 16G(8G*2)	DS			16-18-18-38	1.35	V			V	2133	
ADATA	4GB	1Rx8	AX4U3000W4G16-BWZ	SS			16-16-16	1.35v	V	V		V	2133	
ADATA	4GB	1Rx8	AX4U3000W4G16-DWZ	SS			16-16-16	1.35v	V			V	2133	
ADATA	4GB	1Rx8	AX4U3000W4G16-QWZ	SS			16-16-16	1.35v	V	V		V	2133	
ADATA	8GB	1Rx8	AX4U300038G16-BBZ	SS	Hynix		16-18-18	1.35v	V	V		V	2133	
ADATA	8GB	1Rx8	AX4U300038G16-DBZ	SS	Hynix		16-18-18	1.35v	V			V	2133	





CORSAIR	8GB	2Rx8	CMK16GX4M2A2666C16 ver4.23	DS	Samsung		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK16GX4M2A2666C16Rver4.23	DS	Samsung		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK16GX4M2A2666C16W ver4.23	DS	Samsung		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK64GX4M8A2666C16	DS	Samsung		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMU32GX4M4A2666C16 ver3.21	DS	Micron		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMU32GX4M4A2666C16R ver3.21	DS	Micron		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16 ver3.21	DS	Micron		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16B ver3.21	DS	Micron		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16R ver .21	DS	Micron		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16W ver3.21	DS	Micron		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMU32GX4M4A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMU32GX4M4A2666C16R ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16B ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16R ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16W ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2A2666C16 ver5.30	DS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2A2666C16R ver5.30	DS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2A2666C16W ver5.30	DS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMR64GX4M8A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMR64GX4M2A2666C16 ver5.30	SS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2D2666C16 ver4.21	SS	Samsung		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMV8GX4M1A2666C18	SS			18-18-18-43	1.2v	V	V	V	V	2666
CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16	DS			16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16R	DS			16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16W	DS			16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16 ver 4.31	DS	Samsung		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16W ver 4.31	DS	Samsung		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMD128GX4M8A2666C15	DS	Samsung		15-17-17-35	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16R	DS			16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMU64GX4M4A2666C16	DS			16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK16GX4M1A2666C16 ver5.39	DS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK128GX4M8A2666C16 ver5.39	DS	Hynix		16-18-18-35	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMV16GX4M1A2666C18	DS			18-18-18-43	1.2v	V	V	V	V	2666
G.SKILL	8GB	2Rx8	F4-2666C15Q-32GRR	DS	Hynix		15-15-15-35	1.2v	V	V	V	V	2133
G.SKILL	8GB	2Rx8	F4-2666C18Q-32G	DS	Hynix		18-18-18-38	1.2v	V	V	V	V	2133
G.SKILL	8GB	2Rx8	F4-2666C18Q-32GTZR	DS	Hynix		18-18-18-38	1.2v	V	V	V	V	2133
ADATA	4GB	1Rx8	AD4U2666W4G19-B	SS	spectek		C19	1.2v	V	V	V	V	2666
ADATA	8GB	1Rx8	AX4U266638G16-BRS	SS	Hynix		16-16-16	1.2v	V	V	V	V	2133
ADATA	8GB	1Rx8	AX4U266638G16-SRS	SS	Hynix		16-16-16	1.2v	V	V	V	V	2133
ADATA	8GB	1Rx8	AX4U266638G16-DRS	SS	Hynix		16-16-16	1.2v	V	V	V	V	2133
ADATA	8GB	1Rx8	AX4U266638G16-QRS	SS	Hynix		16-16-16	1.2v	V	V	V	V	2133
ADATA	8GB	1Rx8	AD4U266638G19-B	SS	spectek		C19	1.2v	V	V	V	V	2666
ADATA	8GB	1Rx8	AX4U266638G16-BRZ	SS	Nanya		16-16-16-39	1.2v	V	V	V	V	2666
ADATA	8GB	1Rx8	AD4U266638G-D	SS	Hynix		19-19-19-43	1.2v	V	V	V	V	2666
ADATA	8GB	1Rx8	AX4U266638G16-BRS	SS	Nanya		16-16-16	1.2	V	V	V	V	2133
ADATA	8GB	1Rx8	AX4U266638G16-SRS	SS	Nanya		16-16-16	1.2	V	V	V	V	2133
ADATA	8GB	1Rx8	AX4U266638G16-DRS	SS	Nanya		16-16-16	1.2	V	V	V	V	2133
ADATA	8GB	1Rx8	AX4U266638G16-QRS	SS	Nanya		16-16-16	1.2	V	V	V	V	2133
ADATA	16GB	2Rx8	AD4U2666316G19-B	SS			C19	1.2v	V	V	V	V	2666
Apacer	4GB	1Rx8	AHU04GB26CDT6H	SS			16-16-16-36	1.2v	V	V	V	V	2133
CRUCIAL	4GB	1Rx8	BLT4G4D26AFTA.8FADG	SS			16-17-17-36	1.2v	V	V	V	V	2400
CRUCIAL	4GB	1Rx8	BLE4G4D26AFAE.8FADG	SS			16-17-17-36	1.2v	V	V	V	V	2400
CRUCIAL	4GB	1Rx8	BLS4G4D26BFSC.8FBR2	SS			16-18-18-38	1.2v	V	V	V	V	2666
CRUCIAL	8GB	2Rx8	BLS8G4D26BFSC.16FBR2	DS			16-18-18-38	1.2v	V	V	V	V	2666
CRUCIAL	16GB	2Rx8	BLS16G4D26BFSC.16FBD	DS			16-18-18-38	1.2v	V	V	V	V	2666
CRUCIAL	16GB	2Rx8	CT16G4WFD8266	DS			CL19	1.2v	V	V	V	V	2666
GEIL	8GB	1Rx8	GAEXW416GB2666C16ADC	SS			16-18-18-36	1.35v	V	V	V	V	2133
GEIL	16GB	2Rx8	GAEXY432GB2666C16ADC	DS			16-18-18-36	1.35v	V	V	V	V	2133
PATRIOT	4GB	1Rx8	PVE48G2666C6KBL	SS			CL16	1.2v	V	V	V	V	2133
Panram	8GB	1Rx8	W4U2666PS-8G	SS			CL16	1.2v	V	V	V	V	2666
Panram	16GB	2Rx8	W4U2666PS-16G	DS			CL16	1.2v	V	V	V	V	2666
KLEVV	4GB	1Rx8	KM424GX1N-2666-15-15-15-35-1	SS			15-15-15-35	1.2v	V	V	V	V	2400
Team	4GB	1Rx8	TLRED416G2666HC15BQC01	SS			15-17-17-35	1.2v	V	V	V	V	2133
Team	4GB	1Rx8	TDGED416G2666HC15BQC01	SS			15-17-17-35	1.2v	V	V	V	V	2133
Team	4GB	1Rx8	TLRED48G2666HC15BDC01	SS			15-17-17-35	1.2v	V	V	V	V	2133
Team	4GB	1Rx8	TDGED48G2666HC15BDC01	SS			15-17-17-35	1.2v	V	V	V	V	2133
Team	4GB	1Rx8	TED416G2666C19QC01	SS			19-19-19-43	1.2v	V	V	V	V	2666
Team	4GB	1Rx8	TED48G2666C19DC01	SS			19-19-19-43	1.2v	V	V	V	V	2666
Team	4GB	1Rx8	TED44G2666C1901	SS			19-19-19-43	1.2v	V	V	V	V	2666
Team	8GB	1Rx8	TED432G2666C19QC01	SS			19-19-19-43	1.2v	V	V	V	V	2666
Team	8GB	1Rx8	TED416G2666C19DC01	SS			19-19-19-43	1.2v	V	V	V	V	2666
Team	8GB	1Rx8	TED48G2666C1901	SS			19-19-19-43	1.2v	V	V	V	V	2666
Team	16GB	2Rx8	THRD464G2666HC15BQC01	DS			15-17-17-35	1.2v	V	V	V	V	2133
Team	16GB	2Rx8	THWD464G2666HC15BQC01	DS			15-17-17-35	1.2v	V	V	V	V	2133
Team	16GB	2Rx8	THBD464G2666HC15BQC01	DS			15-17-17-35	1.2v	V	V	V	V	2133
Team	16GB	2Rx8	THRD432G2666HC15BDC01	DS			15-17-17-35	1.2v	V	V	V	V	2133
Team	16GB	2Rx8	THWD432G2666HC15BDC01	DS			15-17-17-35	1.2v	V	V	V	V	2133
Team	16GB	2Rx8	THBD432G2666HC15BDC01	DS			15-17-17-35	1.2v	V	V	V	V	2133
Team	16GB	2Rx8	TED464G2666C19QC01	DS			19-19-19-43	1.2v	V	V	V	V	2666
Team	16GB	2Rx8	TED432G2666C19DC01	DS			19-19-19-43	1.2v	V	V	V	V	2666
Team	16GB	2Rx8	TED416G2666C1901	DS			19-19-19-43	1.2v	V	V	V	V	2666

DDR4 2400MHz

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P.N.	Timing	Voltage	XMP			Native	ECC
									2	4	8		
HyperX	8GB	2Rx8	HX424C15FB/8	DS	SKhynix		C15	1.2v	V	V	V	V	2133
HyperX	8GB	1Rx8	HX424C15FB2K4/32	SS			C15	1.2v	V	V	V	V	2133



HyperX	8GB	1Rx8	HX424C15FB2K2/16	SS			C15	1.2v	V	V	V	V	2133
HyperX	8GB	1Rx8	HX424C15FB2/8	SS			C15	1.2v	V	V	V	V	2133
HyperX	8GB	1Rx8	HX424C12PB3K4/32	SS	Hynix		CL12	1.35	V	V	V	V	2400
HyperX	8GB	1Rx8	HX424C12PB3K2/16	SS	Hynix		CL12	1.35	V	V	V	V	2400
HyperX	8GB	1Rx8	HX424C12PB3/8	SS	Hynix		CL12	1.35	V	V	V	V	2400
HyperX	16GB	2Rx8	HX424C15FBK4/64	DS			C15	1.2v	V	V	V	V	2133
HyperX	16GB	2Rx8	HX424C15FBK2/32	DS			C15	1.2v	V	V	V	V	2133
HyperX	16GB	2Rx8	HX424C15FB/16	DS			C15	1.2v	V	V	V	V	2133
HyperX	16GB	2Rx8	HX424C12PB3K4/64	DS	Hynix		CL12	1.35	V	V	V	V	2400
HyperX	16GB	2Rx8	HX424C12PB3K2/32	DS	Hynix		CL12	1.35	V	V	V	V	2400
HyperX	16GB	2Rx8	HX424C12PB3/16	DS	Hynix		CL12	1.35	V	V	V	V	2400
Kingston	8GB	2Rx8	KVR24N17D8/8	DS	Micron		CL17	1.2v	V	V	V	V	2400
Kingston	8GB	1Rx8	KVR24N17S8/8	SS	Micron		CL17	1.2v	V	V	V	V	2400
Kingston	16GB	2Rx8	KVR24N17D8/16	DS	Micron		CL17	1.2v	V	V	V	V	2400
CORSAIR	4GB	1Rx8	CMD16GX4M4A2400C14	SS	Samsung		14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	4GB	1Rx8	CMK8GX4M2D2400C14 ver3.11	SS	Micron		14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C14	DS	Samsung		14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C14B	DS	Samsung		14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C14R	DS	Samsung		14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMD64GX4M8A2400C14 ver4.24	SS	Samsung		14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK64GX4M8A2400C14	DS			14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C16	SS			16-16-16-39	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C16R	SS			16-16-16-39	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMD32GX4M4A2400C12	DS			12-14-14-28	1.2v	V	V	V	V	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C12	DS			12-14-14-28	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2Z2400C16 ver3.31	SS	Micron		16-16-16-39	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2A2400C16 ver5.30	SS	Hynix		16-16-16-39	1.2v	V	V	V	V	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2D2400C14 ver4.21	SS	Samsung		14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK128GX4M8A2400C14	DS			14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4A2400C14	DS			14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMD128GX4M8A2400C14	DS			14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK128GX4M8A2400C14 ver5.30	DS	Hynix		14-16-16-31	1.2v	V	V	V	V	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4A2400C16 ver3.32	DS	Micron		16-16-16-39	1.2v	V	V	V	V	2133
G.SKILL	4GB	1Rx8	F4-2400C15Q-16GRR	SS	Micron		15-15-15-35	1.2v	V	V	V	V	2133
G.SKILL	8GB	2Rx8	F4-2400C15Q-32GRR	DS	Micron		15-15-15-35	1.2v	V	V	V	V	2133
G.SKILL	8GB	2Rx8	F4-2400C15Q2-64GRK	DS			15-15-15-35	1.2v	V	V	V	V	2133
G.SKILL	8GB	2Rx8	F4-2400C15Q-32GVR	DS			15-15-15-35	1.2v	V	V	V	V	2133
G.SKILL	16GB	2Rx8	F4-2400C15Q2-128GRK	DS			15-15-15-35	1.2v	V	V	V	V	2133
G.SKILL	16GB	2Rx8	F4-2400C15Q-64GVR	DS			15-15-15-35	1.2v	V	V	V	V	2133
GALAX	8GB	2Rx8	GAM4MR2B2SR2400D16JE081C	DS			16-16-16-36	1.2	V	V	V	V	2133
GALAX	16GB	2Rx8	GALAX D4-2400 16G C17	DS			17-17-17-39	1.2	V	V	V	V	2400
ADATA	4GB	1Rx8	AD4U2400W4G17-B	SS	PSC		17-17-17-39	1.2v	V	V	V	V	2400
ADATA	8GB	1Rx8	AX4U240038G16-BRZ	SS	Hynix		16-16-16	1.2v	V	V	V	V	2133
ADATA	8GB	1Rx8	AX4U240038G16-DRZ	SS	Hynix		16-16-16	1.2v	V	V	V	V	2133
ADATA	8GB	1Rx8	AX4U240038G16-QRZ	SS	Hynix		16-16-16	1.2v	V	V	V	V	2133
ADATA	16GB	2Rx8	AX4U2400316G16-BRZ	DS	Hynix		16-16-16	1.2v	V	V	V	V	2133
ADATA	16GB	2Rx8	AX4U2400316G16-DRZ	DS	Hynix		16-16-16	1.2v	V	V	V	V	2133
ADATA	16GB	2Rx8	AX4U2400316G16-QRZ	DS	Hynix		16-16-16	1.2v	V	V	V	V	2133
Apacer	8GB	2Rx8	AU08GGB24CETBGC	DS			CL17	1.2v	V	V	V	V	2400
Apacer	8GB	1Rx8	AU08GGB24CEYBGC	SS			CL17	1.2v	V	V	V	V	2400
Apacer	8GB	1Rx8	AHU08GGB24CDU7S (EK.08G2T.GEJ)	SS			16-16-16-36	1.2v	V	V	V	V	2400
Apacer	16GB	2Rx8	AHU16GGB24CDU7V	DS			16-16-16-36	1.2v	V	V	V	V	2133
Antec	8GB	1Rx8	AMD4U2124001508G-3S	SS	Samsung		15-15-15-39	1.2v	V	V	V	V	2400
CRUCIAL	8GB	2Rx8	BLS8G4D240FSB.16FARG	DS	Micron		16-16-16-39	1.2v	V	V	V	V	2400
CRUCIAL	8GB	2Rx8	BLS8G4D240FSA.16FARG	DS	Micron		16-16-16-39	1.2v	V	V	V	V	2400
CRUCIAL	8GB	1Rx8	CT8G4DFS824A.8FB1	SS	Micron		CL17	1.2v	V	V	V	V	2400
CRUCIAL	8GB	2Rx8	CT8G4WFD824A.18FB1	DS	Micron		CL17	1.2v	V	V	V	V	2400
CRUCIAL	8GB	2Rx8	BLS8G4D240FSB.16FAR	DS	Micron		16-16-16-39	1.2v	V	V	V	V	2400
CRUCIAL	16GB	2Rx8	BLS16G4D240FSB.16FAD	DS	Micron		16-16-16-39	1.2v	V	V	V	V	2400
CRUCIAL	16GB	2Rx8	CT16G4DFD824A.16FB1	DS	Micron		CL17	1.2v	V	V	V	V	2400
GEIL	4GB	1Rx8	GPR48GB2400C16DC	SS			16-16-16-36	1.2v	V	V	V	V	2133
GEIL	8GB	2Rx16	GLR432GB2400C15QC	DS			C15	1.2v	V	V	V	V	2400
GEIL	8GB	2Rx16	GLW432GB2400C15QC	DS			C15	1.2v	V	V	V	V	2400
GEIL	8GB	2Rx16	GLB416GB2400C15DC	DS			C15	1.2v	V	V	V	V	2400
GEIL	8GB	2Rx16	GPR48GB2400C15SC	DS			C15	1.2v	V	V	V	V	2400
GEIL	8GB	1Rx8	GAPB416GB2400C16DC	SS			16-16-16-36	1.2v	V	V	V	V	2133
GEIL	16GB	2Rx8	GPR432GB2400C16QC	DS			16-16-16-36	1.2v	V	V	V	V	2133
GALAX	4GB	1Rx8	HOF4BLBM240012FD041C	SS			12-12-12-28	1.35v	V	V	V	V	2133
GLOWAY	8GB	2Rx8	8G-2400	DS			15-15-15-35	1.2v	V	V	V	V	2133
KLEVV	4GB	1Rx8	KM4B4GX1N-2400-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V	V	V	2400
KLEVV	4GB	1Rx8	KM424GX1N-2400-15-15-15-35-1	SS			15-15-15-35	1.2v	V	V	V	V	2400
KLEVV	8GB	1Rx8	KM4B8GX1N-2400-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V	V	V	2400
KLEVV	8GB	1Rx8	KM428GX1N-2400-15-15-15-35-1	SS			15-15-15-35	1.2v	V	V	V	V	2400
KLEVV	16GB	2Rx8	KM4B16X1N-2400-15-15-15-35-0	DS			15-15-15-35	1.2v	V	V	V	V	2400
KLEVV	16GB	2Rx8	KM4216X1N-2400-15-15-15-35-0	DS			15-15-15-35	1.2v	V	V	V	V	2400
KINGMAX	4GB	1Rx16	GLLF62F-DAKZIG CLBU Z11C	SS	Spectek		17-17-17-39	1.2v	V	V	V	V	2400
KINGMAX	4GB	1Rx16	GLLF62F-DAKZIG CLBU Z11B	SS	Spectek		17-17-17-39	1.2v	V	V	V	V	2400
KINGMAX	16GB	2Rx8	GLLH22F-18K1IA CFBU2 Z11B	DS	Spectek		17-17-17-39	1.2v	V	V	V	V	2400
PATRIOT	4GB	1Rx8	PVE48G240C5KRD	SS			CL15	1.2v	V	V	V	V	2133
PATRIOT	8GB	1Rx8	PVE416G240C5KRD	SS			CL15	1.2v	V	V	V	V	2133
PATRIOT	8GB	1Rx8	PSD48G240081	SS			CL17	1.2v	V	V	V	V	2400
PATRIOT	16GB	2Rx8	PSD416G24002	DS			CL17	1.2v	V	V	V	V	2400
Team	8GB	2Rx8	TED432G2400C16QC01	DS			16-16-16-39	1.2v	V	V	V	V	2400
Team	8GB	2Rx8	TPRD432G2400HC16QC01	DS			16-16-16-39	1.2v	V	V	V	V	2400
Team	8GB	2Rx8	TPD432G2400HC16QC01	DS			16-16-16-39	1.2v	V	V	V	V	2400
Team	8GB	2Rx8	TED416G2400C16DC01	DS			16-16-16-39	1.2v	V	V	V	V	2400

Team	8GB	2Rx8	TPRD416G2400HC16DC01	DS				16-16-16-39	1.2v	V	V			2400	
Team	8GB	2Rx8	TPD416G2400HC16DC01	DS				16-16-16-39	1.2v	V	V			2400	
Team	8GB	2Rx8	TED48G2400C1601	DS				16-16-16-39	1.2v	V	V			2400	
Team	8GB	2Rx8	TPRD48G2400HC1601	DS				16-16-16-39	1.2v	V	V			2400	
Team	8GB	2Rx8	TPD48G2400HC1601	DS				16-16-16-39	1.2v	V	V			2400	
Team	8GB	2Rx8	TDTRD416G2400HC15ADC01	DS				15-15-15-35	1.2v	V	V		V	2133	
Team	8GB	2Rx8	TDTWD416G2400HC15ADC01	DS				15-15-15-35	1.2v	V	V		V	2133	
Team	8GB	2Rx8	TDDBD416G2400HC15ADC01	DS				15-15-15-35	1.2v	V	V		V	2133	
Team	8GB	2Rx8	TDTRD48G2400HC15A01	DS				15-15-15-35	1.2v	V	V		V	2133	
Team	8GB	2Rx8	TDTRD48G2400HC15A01	DS				15-15-15-35	1.2v	V	V		V	2133	
Team	8GB	2Rx8	TDTRD48G2400HC15A01	DS				15-15-15-35	1.2v	V	V		V	2133	
Team	8GB	1Rx8	TLGD432G2400HC14QC01	SS				14-16-16-31	1.2v	V	V		V	2133	
Team	8GB	1Rx8	TLRED432G2400HC14QC01	SS				14-16-16-31	1.2v	V	V		V	2133	
Team	8GB	1Rx8	TLGD416G2400HC14DC01	SS				14-16-16-31	1.2v	V	V		V	2133	
Team	8GB	1Rx8	TLRED416G2400HC14DC01	SS				14-16-16-31	1.2v	V	V		V	2133	
Team	8GB	1Rx8	TLGD48G2400HC1401	SS				14-16-16-31	1.2v	V	V		V	2133	
Team	8GB	1Rx8	TLRED48G2400HC1401	SS				14-16-16-31	1.2v	V	V		V	2133	
Team	8GB	1Rx8	TF3D416G2400HC15BDC01	SS				15-17-17-35	1.2v	V	V		V	2133	
Team	8GB	1Rx8	TF4D416G2400HC15BDC01	SS				15-17-17-35	1.2v	V	V		V	2133	
Team	8GB	1Rx8	TF3D48G2400HC15B01	SS				15-17-17-35	1.2v	V	V		V	2133	
Team	8GB	1Rx8	TF4D48G2400HC15B01	SS				15-17-17-35	1.2v	V	V		V	2133	
Team	16GB	2Rx8	TED464G2400C16QC01	DS				16-16-16-39	1.2v	V	V			2400	
Team	16GB	2Rx8	TPRD464G2400HC16QC01	DS				16-16-16-39	1.2v	V	V			2400	
Team	16GB	2Rx8	TPD464G2400HC16QC01	DS				16-16-16-39	1.2v	V	V			2400	
Team	16GB	2Rx8	TED432G2400C16DC01	DS				16-16-16-39	1.2v	V	V			2400	
Team	16GB	2Rx8	TPRD432G2400HC16DC01	DS				16-16-16-39	1.2v	V	V			2400	
Team	16GB	2Rx8	TPD432G2400HC16DC01	DS				16-16-16-39	1.2v	V	V			2400	
Team	16GB	2Rx8	TED416G2400C1601	DS				16-16-16-39	1.2v	V	V			2400	
Team	16GB	2Rx8	TPRD416G2400HC1601	DS				16-16-16-39	1.2v	V	V			2400	
Team	16GB	2Rx8	TPD416G2400HC1601	DS				16-16-16-39	1.2v	V	V			2400	
Team	16GB	2Rx8	TDTRD464G2400HC15BQC01	DS				15-17-17-35	1.2v	V	V		V	2133	
Team	16GB	2Rx8	TDTWD464G2400HC15BQC01	DS				15-17-17-35	1.2v	V	V		V	2133	
Team	16GB	2Rx8	TDTRD464G2400HC15BQC01	DS				15-17-17-35	1.2v	V	V		V	2133	
Team	16GB	2Rx8	TDTWD432G2400HC15BDC01	DS				15-17-17-35	1.2v	V	V		V	2133	
Team	16GB	2Rx8	TDTWD432G2400HC15BDC01	DS				15-17-17-35	1.2v	V	V		V	2133	
Team	16GB	2Rx8	TDTWD432G2400HC15BDC01	DS				15-17-17-35	1.2v	V	V		V	2133	
Panram	8GB	1Rx8	PUD42400C158G4NJW	SS				CL15	1.2v	V	V	V		2400	
Samsung	4GB	1Rx16	M378A5244CB0-CRC	SS					1.2v	V	V	V	V	2400	
innodisk	8GB	2Rx8	M4C0-8GSSMCSJ	DS	Samsung				1.2v	V	V	V		2400	V
V-Color	8GB	1Rx8	TC48G24S817	SS				CL17	1.2v	V	V	V		2400	
VISENTA	8GB	1Rx8	DDR4 2400 8G	SS				17-17-17-40	1.2v	V	V	V		2400	
VISENTA	16GB	2Rx8	DDR4 2400 16G	DS				15-15-15-35	1.2v	V	V	V		2400	
Virtium	8GB	1Rx8	VL37A1H63F-N7SC	SS				17-17-17-39	1.2v	V	V	V		2400	

DDR4 2133MHz

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Chip P/N.	Timing	Voltage				XMP	Native	ECC
									2	4	8			
HyperX	8GB	1Rx8	HX421C14FB2K4/32	SS			CL14	1.2v	V	V	V		V	
HyperX	8GB	1Rx8	HX421C14FB2K2/16	SS			CL14	1.2v	V	V	V		V	
HyperX	8GB	1Rx8	HX421C14FB2/8	SS			CL14	1.2v	V	V	V		V	
HyperX	16GB	2Rx8	HX421C14FBK4/64	DS			CL14	1.2v	V	V	V		V	
HyperX	16GB	2Rx8	HX421C14FBK2/32	DS			CL14	1.2v	V	V	V		V	
HyperX	16GB	2Rx8	HX421C14FB/16	DS			CL14	1.2v	V	V	V		V	
Kingston	4GB	1Rx8	KVR21N15S8/4	SS	SKhynix		CL15	1.2v	V	V	V		V	
Kingston	4GB	1Rx8	KVR21E15S8/4	SS	SKhynix		CL15	1.2v	V	V	V		V	V
Kingston	8GB	2Rx8	KVR21N15D8/8	DS	SKhynix		CL15	1.2v	V	V	V		V	
Kingston	8GB	2Rx8	KVR21E15D8/8HA	DS	SKhynix		CL15	1.2v	V	V	V		V	V
Kingston	16GB	2Rx8	KVR21N15D8/16	DS	Micron		CL15	1.2v	V	V	V		V	
CORSAIR	4GB	1Rx8	CMK16GX4M4A2133C13	SS			13-15-15-28	1.2v	V	V	V		V	
CORSAIR	4GB	1Rx8	CMK16GX4M4A2133C13B	SS			13-15-15-28	1.2v	V	V	V		V	
CORSAIR	4GB	1Rx8	CMK16GX4M4A2133C13R	SS			13-15-15-28	1.2v	V	V	V		V	
CORSAIR	4GB	1Rx8	CMD16GX4M4B2133C10	SS			10-12-12-31	1.35v	V	V	V	V	V	
CORSAIR	8GB	2Rx8	CMK6GX4M8A2133C13	DS			13-15-15-28	1.2v	V	V	V		V	
CORSAIR	8GB	1Rx8	CMV8GX4M1A2133C15-ESS	SS	Samsung		C15	1.2v	V	V	V		V	
CORSAIR	8GB	2Rx8	CMD32GX4M4B2133C10	DS			10-12-12-31	1.35v	V	V	V	V	V	
CORSAIR	16GB	2Rx8	CMV16GX4M1A2133C15	DS			C15	1.2v	V	V	V		V	
CORSAIR	16GB	2Rx8	CMK32GX4M2A2133C13	DS			13-15-15-28	1.2v	V	V	V		V	
CORSAIR	16GB	2Rx8	CMK128GX4M8A2133C13	DS			13-15-15-28	1.2v	V	V	V	V	V	
G.SKILL	4GB	1Rx8	F4-2133C15Q-16GRR	SS	Micron		15-15-15-35	1.2v	V	V	V		V	
G.SKILL	8GB	2Rx8	F4-2133C15Q-32GRR	DS	Micron		15-15-15-35	1.2v	V	V	V		V	
G.SKILL	8GB	1Rx8	F4-2133C15S-8GIS	SS			15-15-15-35	1.2v	V	V	V		V	
G.SKILL	8GB	1Rx8	F4-2133C15Q-32GVR	SS			15-15-15-35	1.2v	V	V	V	V	V	
G.SKILL	16GB	1Rx8	F4-2133C15Q-64GVR	SS			15-15-15-35	1.2v	V	V	V	V	V	
Apacer	4GB	1Rx8	AU04GGB13CDTBGH	SS			CL15	1.2v	V	V	V		V	
Apacer	8GB	2Rx8	AU08GGB13CDYBGH	DS			CL15	1.2v	V	V	V		V	
CRUCIAL	4GB	1Rx8	CT4G4DFS8213.C8FAR1	SS	Micron		CL15	1.2v	V	V	V		V	
CRUCIAL	4GB	1Rx8	CT4G4DFS8213.8FA2	SS	Micron		CL15	1.2v	V	V	V		V	
CRUCIAL	8GB	2Rx8	CT8G4DFD8213.16FA2	DS	Micron		CL15	1.2v	V	V	V		V	
CRUCIAL	8GB	2Rx8	CT8G4DFD8213.C16FAR11	DS	Micron		CL15	1.2v	V	V	V		V	
CRUCIAL	8GB	1Rx8	CT8G4DFS8213.8FB1	SS	Micron		CL15	1.2v	V	V	V		V	
CRUCIAL	16GB	2Rx8	CT16G4DFD8213.16FB1	DS	Micron		CL15	1.2v	V	V	V		V	

GEIL	4GB	1Rx8	GPR416GB2133C15QC	SS			15-15-15-36	1.2v	V	V			V	
GLOWAY	4GB	1Rx8	4G-2133	SS			15-15-15-35	1.2v	V	V			V	
KLEVV	4GB	1Rx8	KM4B4GX1N-2133-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V			V	
KLEVV	8GB	1Rx8	KM4B8GX1N-2133-15-15-15-35-0	SS			15-15-15-35	1.2v	V	V			V	
KLEVV	16GB	2Rx8	KM4B16X1N-2133-15-15-15-35-0	DS			15-15-15-35	1.2v	V	V			V	
Team	8GB	2Rx8	TED432G2133C15QC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V	V		V	
Team	8GB	2Rx8	TPRD432G2133HC15QC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V	V		V	
Team	8GB	2Rx8	TPD432G2133HC15QC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V	V		V	
Team	8GB	2Rx8	TED416G2133C15DC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V	V		V	
Team	8GB	2Rx8	TPRD416G2133HC15DC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V	V		V	
Team	8GB	2Rx8	TPD416G2133HC15DC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V	V		V	
Team	8GB	2Rx8	TED48G2133C1501	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V	V		V	
Team	8GB	2Rx8	TPRD48G2133HC1501	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V	V		V	
Team	8GB	2Rx8	TPD48G2133HC1501	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V	V		V	
Team	16GB	2Rx8	TED464G2133C15QC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V			V	
Team	16GB	2Rx8	TPRD464G2133HC15QC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V			V	
Team	16GB	2Rx8	TPD464G2133HC15QC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V			V	
Team	16GB	2Rx8	TED432G2133C15DC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V			V	
Team	16GB	2Rx8	TPRD432G2133HC15DC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V			V	
Team	16GB	2Rx8	TPD432G2133HC15DC01	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V			V	
Team	16GB	2Rx8	TED416G2133C1501	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V			V	
Team	16GB	2Rx8	TPRD416G2133HC1501	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V			V	
Team	16GB	2Rx8	TPD416G2133HC1501	DS	SKHynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	V	V			V	
Panram	8GB	1Rx8	PUD42133C158G2VS	SS			CL15	1.2v	V	V			V	
V-Color	8GB	1Rx8	TC48G21S815-IMS	SS			CL15	1.2v	V	V			V	
V-Color	16GB	2Rx8	TE416G21D815	DS	SKHynix		CL15	1.2v	V	V			V	V

• 2 DIMM: Supports one pair of modules inserted into the same color slots as one pair of Dual-channel memory configuration. Install the modules into **DDR4\_2\_2A, DDR4\_6\_2C** for better compatibility.

2 DIMM: 請將兩支記憶體模組安裝在同樣顏色記憶體插槽以啟動雙通道設定, 並優先安裝在 **DDR4\_2\_2A, DDR4\_6\_2C** 插槽以確保更好的相容性

• When running XMP at **DDR4 2933 MHz or higher**, the system's stability depends on the CPU's capabilities.  
當執行XMP至**DDR4 2933MHz或是更高**, 系統的穩定性會依據CPU的效能而有所差異

• Memory modules listed as above is for reference only. Due to massive memory models in market, we can only verify some of them.  
以下所列的記憶體模組僅供參考, 因市面上的記憶體模組眾多, 我們無法一一驗證

• When enabling Dual Channel mode with two or four memory modules, it is recommended that using the same capacity, brand, speed, andchips of memory modules and also installed in the same color of DDR4 slots.

若要安裝兩支或四支DDR4記憶體模組, 建議您使用相同容量/ 廠牌/ 速度/ 顆數等之記憶體模組。