

**Qualified Vendors List (QVL), Model Name: X299 AORUS Gaming 9**

DDR4 4200MHz												
Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CORSAIR	8GB	1Rx8	CMK64GX4M8X4200C19	SS	Samsung	19-26-26-46	1.45v	v	v	v	v	2133
G.SKILL	8GB	1Rx8	F4-4200C19Q2-64GTZ	SS	Samsung	19-19-19-39	1.4v	v	v	v	v	2133

  

DDR4 4133MHz												
Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CORSAIR	8GB	1Rx8	CMK64GX4M8X4133C19	SS	Samsung	19-25-25-45	1.4v	v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMR64GX4M8X4133C19	SS	Samsung	19-25-25-45	1.4v	v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK128GX4M8X4133C19	DS	Samsung	19-25-25-45	1.4v	v	v	v	v	2133
G.SKILL	8GB	1Rx8	F4-4133C19Q2-64GTZ	SS	Samsung	19-19-19-39	1.4v	v	v	v	v	2133

  

DDR4 4000MHz												
Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CORSAIR	8GB	1Rx8	CMK64GX4M8X4000C19	SS	Samsung	19-23-23-45	1.35v	v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK128GX4M8X4000C19	DS	Samsung	19-23-23-45	1.35v	v	v	v	v	2133
G.SKILL	8GB	1Rx8	F4-4000C18Q-32GTZ	SS	Samsung	18-19-19-39	1.35v	v	v		v	2133
G.SKILL	8GB	1Rx8	F4-4000C18D-16GTZ	SS	Samsung	18-19-19-39	1.35v	v			v	2133
GALAX	8GB	1Rx8	HOF4CALCS4000M19SF162C	SS		19-25-25-45	1.4v	v			v	2133

  

DDR4 3800~3866MHz												
Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CORSAIR	8GB	1Rx8	CMD32GX4M4B3866C18 ver 4.31	SS	Samsung	18-22-22-40	1.35v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4B3866C18R ver 4.31	SS	Samsung	18-22-22-40	1.35v	v	v		v	2133
CORSAIR	16GB	2Rx8	CMK128GX4M8X3800C18	DS	Samsung	19-19-19-39	1.35v	v	v	v	v	2133
G.SKILL	8GB	1Rx8	F4-3866C18Q-32GTZ	SS	Samsung	18-19-19-39	1.35v	v	v		v	2133
G.SKILL	16GB	2Rx8	F4-3866C18D-32GTZR	DS	Samsung	18-18-18-38	1.35v	v			v	2133
Apacer	8GB	1Rx8	AHU08GGB38CJU5H EK.16GA7.GGBK2	SS		18-22-22-42	1.35v	v			v	2133
Team	4GB	1Rx8	TXD416G3866HC18AQC01	SS	Samsung	18-20-20-39	1.35v	v	v		v	2133
Team	4GB	1Rx8	TXGD416G3866HC18AQC01	SS	Samsung	18-20-20-39	1.35v	v	v		v	2133
Team	4GB	1Rx8	TXD48G3866HC18ADC01	SS	Samsung	18-20-20-39	1.35v	v	v		v	2133
Team	4GB	1Rx8	TXGD48G3866HC18ADC01	SS	Samsung	18-20-20-39	1.35v	v	v		v	2133

  

DDR4 3733MHz												
Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CORSAIR	8GB	1Rx8	CMK32GX4M4B3733C17R	SS		17-19-19-39	1.35v	v			v	2133
CORSAIR	8GB	1Rx8	CMD32GX4M4B3733C17 ver 4.31	SS	Samsung	17-19-19-39	1.35v	v	v	v	v	2133
G.SKILL	4GB	1Rx8	F4-3733C17Q-16GTZ	SS	Samsung	17-19-19-39	1.35v	v	v		v	2133
G.SKILL	8GB	1Rx8	F4-3733C18Q-32GTZKW	SS	Samsung	18-18-18-38	1.35v	v	v		v	2133
Apacer	8GB	1Rx8	AHU08GGB37CEU5H EK.16GA6.GFBK2	SS		17-19-19-39	1.35v	v			v	2133
Team	8GB	1Rx8	TXD416G3733HC18ADC01	SS	SKhynix	18-20-20-39	1.35v	v			v	2133
Team	8GB	1Rx8	TXGD416G3733HC18ADC01	SS	SKhynix	18-20-20-39	1.35v	v			v	2133

  

DDR4 3600~3666MHz												
Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CORSAIR	4GB	1Rx8	CMD16GX4M4B3600C18 ver 4.24	SS	Samsung	18-19-19-39	1.35v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4B3600C18	SS		18-19-19-39	1.35v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4B3600C18R	SS		18-19-19-39	1.35v	v	v		v	2133
CORSAIR	8GB	2Rx8	CMK16GX4M2B3600C18	SS		18-19-19-39	1.35v	v	v		v	2133
CORSAIR	8GB	2Rx8	CMK16GX4M2B3600C18R	SS		18-19-19-39	1.35v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMD32GX4M4B3600C16	SS		16-18-18-36	1.35v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4B3600C16R	SS		16-16-16-36	1.35v	v	v		v	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4B3600C18 ver 4.31	DS	Samsung	18-19-19-39	1.35v	v	v		v	2133
CORSAIR	32GB	2Rx8	CMK256GX4M8D3600C18 ver 5.49	DS	Hynix	18-22-22-42	1.35v	v	v	v	v	2133
G.SKILL	4GB	1Rx8	F4-3600C17Q-16GVK	SS		17-18-18-38	1.35v	v	v		v	2133
G.SKILL	8GB	1Rx8	F4-3600C17Q-32GVK	SS		17-18-18-38	1.35v	v	v		v	2133
G.SKILL	8GB	1Rx8	F4-3600C16D-16GVK	SS		16-16-16-36	1.35v	v	v		v	2133
G.SKILL	16GB	2Rx8	F4-3600C17Q-64GTZ	DS		17-19-19-39	1.35v	v	v		v	2133
HyperX	8GB	1Rx8	HX436C17PB3K4/32	SS		17-18-18	1.35v	v	v		v	2133
HyperX	8GB	1Rx8	HX436C17PB3K2/16	SS		17-18-18	1.35v	v			v	2133
ADATA	4GB	1Rx8	AX4U3600W4G17-DWZ	SS	Samsung	17-18-18-38	1.35v	v			v	2133
ADATA	4GB	1Rx8	AX4U3600W4G17-QWZ	SS	Samsung	17-18-18-38	1.35v	v	v		v	2133
Apacer	4GB	1Rx8	AHU04GGB36CKT5H	SS		18-18-18-42	1.35v	v	v		v	2400
Apacer	8GB	1Rx8	AHU08GGB36CJU5H	SS		18-18-18-42	1.35v	v	v	v	v	2400
Avexir	4GB	1Rx8	AVD4UZ136001804G-4BZ1RR	SS	Samsung	18-20-20-40	1.35v	v	v		v	2133
Avexir	4GB	1Rx8	AVD4UZ136001804G-4BZ1GY	SS	Samsung	18-20-20-40	1.35v	v	v		v	2133

Avexir	4GB	1Rx8	AVD4UZ136001804G-4BZ1SW	SS	Samsung	18-20-20-40	1.35v	v	v	v	2133
Avexir	4GB	1Rx8	AVD4UZ136001804G-2BZ1RR	SS	Samsung	18-20-20-40	1.35v	v		v	2133
Avexir	4GB	1Rx8	AVD4UZ136001804G-2BZ1GY	SS	Samsung	18-20-20-40	1.35v	v		v	2133
Avexir	4GB	1Rx8	AVD4UZ136001804G-2BZ1SW	SS	Samsung	18-20-20-40	1.35v	v		v	2133
Avexir	4GB	1Rx8	AVD4UZ136001704G-4BZ1RR	SS		17-20-20-40	1.35v	v	v	v	2133
Avexir	4GB	1Rx8	AVD4UZ136001704G-4BZ1GY	SS		17-20-20-40	1.35v	v	v	v	2133
Avexir	4GB	1Rx8	AVD4UZ136001704G-4BZ1SW	SS		17-20-20-40	1.35v	v	v	v	2133
Avexir	4GB	1Rx8	AVD4UZ136001704G-2BZ1RR	SS		17-20-20-40	1.35v	v		v	2133
Avexir	4GB	1Rx8	AVD4UZ136001704G-2BZ1GY	SS		17-20-20-40	1.35v	v		v	2133
Avexir	4GB	1Rx8	AVD4UZ136001704G-2BZ1SW	SS		17-20-20-40	1.35v	v		v	2133
Avexir	8GB	1Rx8	AVD4UZ136001708G-4BZ1RR	SS		17-20-20-40	1.35v	v	v	v	2133
Avexir	8GB	1Rx8	AVD4UZ136001708G-4BZ1GY	SS		17-20-20-40	1.35v	v	v	v	2133
Avexir	8GB	1Rx8	AVD4UZ136001708G-4BZ1SW	SS		17-20-20-40	1.35v	v	v	v	2133
Avexir	8GB	1Rx8	AVD4UZ136001708G-2BZ1RR	SS		17-20-20-40	1.35v	v		v	2133
Avexir	8GB	1Rx8	AVD4UZ136001708G-2BZ1GY	SS		17-20-20-40	1.35v	v		v	2133
Avexir	8GB	1Rx8	AVD4UZ136001708G-2BZ1SW	SS		17-20-20-40	1.35v	v		v	2133
Team	8GB	1Rx8	TXD432G3600HC18AQC01	SS	Samsung	18-20-20-39	1.35v	v	v	v	2133
Team	8GB	1Rx8	TXGD432G3600HC18AQC01	SS	Samsung	18-20-20-39	1.35v	v	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
V-Color	16GB	1Rx8	TO416G36S816CSPSK	SS	Hynix	16-20-20-38	1.3v	v	v	v	2666
V-Color	16GB	1Rx8	TL416G36S816CSPSW	SS	Hynix	16-20-20-38	1.35v	v	v	v	2666
V-Color	32GB	2Rx8	TO432G36D818CSPSK	DS	Hynix	18-22-22-42	1.3v	v	v	v	2666
V-Color	32GB	2Rx8	TL432G36D818CSPSW	DS	Hynix	18-22-22-42	1.35v	v	v	v	2666

DDR4 3400~3466MHz

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CORSAIR	4GB	1Rx8	CMD16GX4M4B3400C16	SS		16-18-18-40	1.35v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMD16GX4M4B3466C18	SS		18-19-19-38	1.35v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4B3400C16 ver 4.24	SS	Samsung	16-18-18-36	1.35v	v	v		v	2133
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		v	2133
CORSAIR	8GB	2Rx8	CMK16GX4M2B3466C16	DS		16-18-18-36	1.35v	v			v	2133
CORSAIR	8GB	2Rx8	CMK16GX4M2B3466C16R	DS		16-18-18-36	1.35v	v			v	2133
CORSAIR	8GB	1Rx8	CMU32GX4M4C3400C16R	SS		16-18-18-36	1.35v	v	v			2133
CORSAIR	8GB	1Rx8	CMU32GX4M4C3400C16	SS		16-18-18-36	1.35v	v	v			2133
CORSAIR	8GB	1Rx8	CMD32GX4M4B3466C16	SS		16-18-18-36	1.35v	v	v		v	2133
CORSAIR	8GB	2Rx8	CMU32GX4M4C3466C16	DS		16-18-18-36	1.35v	v	v			2133
CORSAIR	8GB	2Rx8	CMU32GX4M4C3466C16R	DS		16-18-18-36	1.35v	v	v			2133
CORSAIR	8GB	1Rx8	CMR32GX4M4C3466C16 ver4.31	SS	Samsung	16-18-18-36	1.35v	v	v			2133
G.SKILL	4GB	1Rx8	F4-3400C16Q-16GRKD	SS		16-16-16-36	1.35v	v			v	2133
G.SKILL	4GB	1Rx8	F4-3466C16Q-16GVR	SS		16-18-18-38	1.35v	v	v		v	2133
G.SKILL	8GB	2Rx8	F4-3400C16Q-32GTZ	DS		16-18-18-38	1.35v	v	v		v	2133
G.SKILL	8GB	1Rx8	F4-3400C16Q2-64GTZ	SS	Samsung	16-18-18-38	1.35v	v	v	v	v	2133
G.SKILL	8GB	1Rx8	F4-3466C16Q2-64GTZ	SS	Samsung	16-18-18-38	1.35v	v	v	v	v	2133
G.SKILL	8GB	2Rx8	F4-3400C16D-16GVK	DS		16-18-18-38	1.35v	v	v		v	2133
G.SKILL	8GB	1Rx8	F4-3466C16D-16GFX	SS		16-16-16-36	1.35v	v			v	2133
G.SKILL	16GB	2Rx8	F4-3400C16Q-64GVK	DS	Samsung	16-16-16-36	1.35v	v	v		v	2133
G.SKILL	16GB	2Rx8	F4-3466C16Q-64GTZ	DS	Samsung	16-18-18-38	1.35v	v	v		v	2133
G.SKILL	16GB	2Rx8	F4-3466C16Q-64GTZ	DS		16-18-18-38	1.35v	v	v		v	2133
ADATA	4GB	1Rx8	AX4U3400W4G16-DWZ	SS	Samsung	16-17-17-36	1.35v	v			v	2133
ADATA	4GB	1Rx8	AX4U3400W4G16-QWZ	SS	Samsung	16-17-17-36	1.35v	v			v	2133
ADATA	4GB	1Rx8	AX4U3466W4G16-DWZ	SS	Samsung	16-17-17-36	1.35v	v			v	2133
ADATA	4GB	1Rx8	AX4U3466W4G16-QWZ	SS	Samsung	16-17-17-36	1.35v	v	v		v	2133
Apacer	4GB	1Rx8	78.BAGN1.4020B	SS	Samsung	18-18-18-42	1.35v	v	v		v	2133
Avexir	4GB	1Rx8	AVD4UZ134661704G-4BZ1RR	SS	Samsung	17-18-18-38	1.35v	v			v	2133
Avexir	4GB	1Rx8	AVD4UZ134661704G-4BZ1GY	SS	Samsung	17-18-18-38	1.35v	v			v	2133
Avexir	4GB	1Rx8	AVD4UZ134661704G-4BZ1SW	SS	Samsung	17-18-18-38	1.35v	v			v	2133
Avexir	4GB	1Rx8	AVD4UZ134661704G-2BZ1RR	SS	Samsung	17-18-18-38	1.35v	v			v	2133
Avexir	4GB	1Rx8	AVD4UZ134661704G-2BZ1GY	SS	Samsung	17-18-18-38	1.35v	v			v	2133
Avexir	4GB	1Rx8	AVD4UZ134661704G-2BZ1SW	SS	Samsung	17-18-18-38	1.35v	v			v	2133
GEIL	4GB	1Rx8	GLB416GB340016AQC	SS		16-18-18-36	1.35v	v	v		v	2133
PATRIOT	4GB	1Rx8	PV48G340C6K	SS		CL16	1.35v	v			v	2133
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	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CORSAIR	4GB	1Rx8	CMK16GX4M4B3300C16	SS		16-18-18-36	1.35v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMD16GX4M4B3300C16	SS		16-18-18-36	1.35v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4B3333C16	SS		16-18-18-36	1.35v	v	v		v	2133



PATRIOT	8GB	1Rx8	PV416G320C6K	SS		CL16	1.35v	v	v		v	2133
PATRIOT	16GB	2Rx8	PV432G320C6K	DS		CL16	1.35v	v	v		v	2133
SUPER TALENT	4GB	1Rx8	F3200UA4G	SS		16-18-18-36	1.35v	v	v	v	v	2133
SUPER TALENT	16GB	2Rx8	F3200UB16G	DS		16-18-18-36	1.35v	v	v	v	v	2133
Team	8GB	2Rx8	THRD432G3200HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	THWD432G3200HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	THBD432G3200HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	THRD416G3200HC16CDC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	THWD416G3200HC16CDC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	THBD416G3200HC16CDC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	THRD464G3200HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	THWD464G3200HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	THBD464G3200HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	THRD432G3200HC16CDC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	THWD432G3200HC16CDC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	THBD432G3200HC16CDC01	DS		16-18-18-38	1.35v	v	v		v	2133

DDR4 3000MHz

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
HyperX	4GB	1Rx8	HX430C15SB2K4/16	SS	SKhynix	C15	1.35v	v	v		v	2133
HyperX	4GB	1Rx8	HX430C15SB2K2/8	SS	SKhynix	C15	1.35v	v			v	2133
HyperX	4GB	1Rx8	HX430C15PB3K4/16	SS	SKhynix	C15	1.35v	v	v		v	2133
HyperX	4GB	1Rx8	HX430C15PB3K2/8	SS	SKhynix	C15	1.35v	v			v	2133
HyperX	8GB	2Rx8	HX430C15SB2K4/32	DS	SKhynix	C15	1.35v	v	v		v	2133
HyperX	8GB	2Rx8	HX430C15SB2K2/16	DS	SKhynix	C15	1.35v	v			v	2133
HyperX	8GB	1Rx8	HX430C15PB3K4/32	SS	SKhynix	C15	1.35v	v	v		v	2133
HyperX	8GB	1Rx8	HX430C15PB3K2/16	SS	SKhynix	C15	1.35v	v			v	2133
HyperX	8GB	2Rx8	HX430C15SB2K4/32	DS	SKhynix	C15	1.35v	v	v		v	2133
HyperX	16GB	2Rx8	HX430C15PB3K4/64	DS	SKhynix	C15	1.35v	v	v		v	2133
HyperX	16GB	2Rx8	HX430C15PB3K2/32	DS	SKhynix	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	SKhynix	15-17-17-35	1.35v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMD16GX4M4B3000C15	SS	Samsung	15-17-17-35	1.35v	V	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	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	DS		15-17-17-35	1.35v	v			v	2133
CORSAIR	8GB	2Rx8	CMU16GX4M2C3000C15R	DS		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	SKhynix	15-17-17-35	1.35v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15B ver5.30	SS	SKhynix	15-17-17-35	1.35v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15R ver5.30	SS	SKhynix	15-17-17-35	1.35v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2B3000C15W ver5.30	SS	SKhynix	15-17-17-35	1.35v	v	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	SKhynix	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	16GB	2Rx8	CMK32GX4M2B3000C15 ver5.39	DS	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
G.SKILL	4GB	1Rx8	F4-3000C15Q-16GVR	SS		15-15-15-35	1.35v	v	v		v	2133
G.SKILL	4GB	1Rx8	F4-3000C15Q2-32GRBB	SS		15-16-16-35	1.35v	v	v	v	v	2133
G.SKILL	8GB	2Rx8	F4-3000C15Q-32GRK	DS		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	v	2133
G.SKILL	16GB	2Rx8	F4-3000C14Q2-128GVKD	DS		14-14-14-34	1.35v	v	v	v	v	2133

ADATA	4GB	1Rx8	AX4U3000W4G16-DWZ	SS		16-16-16	1.35	v			v	2133
ADATA	4GB	1Rx8	AX4U3000W4G16-QWZ	SS		16-16-16	1.35	v	v		v	2133
ADATA	8GB	2Rx8	AX4U3000W8G16-DWZ	DS		16-16-16	1.35	v			v	2133
ADATA	8GB	2Rx8	AX4U3000W8G16-QWZ	DS		16-16-16	1.35	v	v		v	2133
ADATA	8GB	1Rx8	AX4U300038G16-DBZ	SS	Hynix	16-18-18	1.35v	v			v	2133
ADATA	8GB	1Rx8	AX4U300038G16-QBZ	SS	Hynix	16-18-18	1.35v	v	v		v	2133
ADATA	16GB	2Rx8	AX4U3000316G16-DRZ	DS	Samsung	16-18-18-36	1.35	v			v	2133
ADATA	16GB	2Rx8	AX4U3000316G16-QRZ	DS	Samsung	16-18-18-36	1.35	v	v		v	2133
Apacer	8GB	1Rx8	AHU08GGB30CDU7V	SS		16-16-16-36	1.35	v			v	2133
Apacer	8GB	1Rx8	AHU08GGB30CKU8R (EK.16GAZ.GJDK2)	SS		16-18-18-38	1.35	v	v		v	2400
Avexir	4GB	1Rx8	AVD4U30001604G-4CIR	SS		16-18-18-36	1.35v	v	v		v	2133
Avexir	4GB	1Rx8	AVD4UZ130001604G-4RD	SS		16-18-18-36	1.35v	v			v	2133
Avexir	4GB	1Rx8	AVD4UZ130001604G-2RD	SS		16-18-18-36	1.35v	v			v	2133
Avexir	4GB	1Rx8	AVD4UZ130001604G-4BZ1RR	SS	Samsung	16-18-18-36	1.35v	v	v		v	2133
			AVD4UZ130001604G-4BZ1GY					v	v		v	2133
			AVD4UZ130001604G-4BZ1SW					v	v		v	2133
Avexir	8GB	1Rx8	AVD4UZ130001608G-4RD	SS		16-18-18-36	1.35v	v	v		v	2133
Avexir	8GB	1Rx8	AVD4UZ130001608G-2RD	SS		16-18-18-36	1.35v	v			v	2133
Avexir	8GB	1Rx8	AVD4UZ130001608G-4BZ1RR	SS	Samsung	16-18-18-36	1.35v	v	v		v	2133
			AVD4UZ130001608G-4BZ1GY					v	v		v	2133
			AVD4UZ130001608G-4BZ1SW					v	v		v	2133
GEIL	8GB	2Rx8	GPR416GB3000C15ADC	SS		15-17-17-35	1.35v	v	v		v	2133
GEIL	8GB	1Rx8	GEX416GB3000C15ADC	SS		15-17-17-35	1.35v	v	v		v	2133
GEIL	16GB	2Rx8	GEXB4128GB3000C16ADQC	DS		16-18-18-36	1.35v	v	v	v	v	2133
PATRIOT	4GB	1Rx8	PVE48G300C6KRD	SS		CL16	1.35v	v	v		v	2133
PATRIOT	4GB	1Rx8	PV416G300C6QK	SS		16-16-16-36	1.35v	v	v		v	2133
PATRIOT	8GB	1Rx8	PVE416G300C6KBL	SS		CL16	1.35v	v	v		v	2133
PATRIOT	8GB	1Rx8	PV432G300C6QK	SS		16-16-16-36	1.35v	v	v		v	2133
KLEVV	4GB	1Rx8	KM4B4GX1A-3000-15-16-16-36-0	SS		15-16-16-36	1.35v	v	v		v	2400
KLEVV	4GB	1Rx8	KM4Z4GX1A-3000-15-16-16-36-1	SS		15-16-16-36	1.35v	v	v		v	2400
KLEVV	8GB	1Rx8	KM4B8GX1A-3000-15-16-16-36-0	SS		15-16-16-36	1.35v	v	v		v	2400
KLEVV	8GB	1Rx8	KM4Z8GX1A-3000-15-16-16-36-1	SS		15-16-16-36	1.35v	v	v		v	2400
KLEVV	16GB	2Rx8	KM4B16X1A-3000-15-16-16-36-0	DS		15-16-16-36	1.35v	v	v		v	2400
KLEVV	16GB	2Rx8	KM4Z16X1A-3000-15-16-16-36-0	DS		15-16-16-36	1.35v	v	v		v	2400
Team	4GB	1Rx8	TLRED416G3000HC16CQC01	SS		16-18-18-38	1.35v	v	v		v	2133
Team	4GB	1Rx8	TDGED416G3000HC16CQC01	SS		16-18-18-38	1.35v	v	v		v	2133
Team	4GB	1Rx8	TLRED48G3000HC16CDC01	SS		16-18-18-38	1.35v	v			v	2133
Team	4GB	1Rx8	TDGED48G3000HC16CDC01	SS		16-18-18-38	1.35v	v			v	2133
Team	8GB	2Rx8	TLRED432G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	TDGED432G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	THRD432G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	THWD432G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	THBD432G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	TDTRD432G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	TDTWD432G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	TDTBD432G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	8GB	2Rx8	TLRED416G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	8GB	2Rx8	TDGED416G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	8GB	2Rx8	THRD416G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	8GB	2Rx8	THWD416G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	8GB	2Rx8	THBD416G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	8GB	2Rx8	TDTRD416G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	8GB	2Rx8	TDTWD416G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	8GB	2Rx8	TDTBD416G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	16GB	2Rx8	THRD464G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	THWD464G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	THBD464G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	TDTRD464G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	TDTWD464G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	TDTBD464G3000HC16CQC01	DS		16-18-18-38	1.35v	v	v		v	2133
Team	16GB	2Rx8	THRD432G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	16GB	2Rx8	THWD432G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	16GB	2Rx8	THBD432G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	16GB	2Rx8	TDTRD432G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	16GB	2Rx8	TDTWD432G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
Team	16GB	2Rx8	TDTBD432G3000HC16CDC01	DS		16-18-18-38	1.35v	v			v	2133
V-Color	8GB	1Rx8	TL48G30S816B	SS		CL16	1.35v	v	v		v	2133
V-Color	8GB	1Rx8	TL48G30S816RGB	SS		16-18-18-38	1.35v	v	v		v	2133

DDR4 2800MHz

		# of Ranks							Memory socket support		
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Module Supplier	Density	x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	2	4	8	XMP	Native
CORSAIR	4GB	1Rx8	CMK16GX4M4A2800C16	SS	SKhynix	16-18-18-36	1.2v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4A2800C16R	SS	SKhynix	16-18-18-36	1.2v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4A2800C16B	SS	SKhynix	16-18-18-36	1.2v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMD16GX4M4A2800C16	SS	SKhynix	16-18-18-36	1.2v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMD16GX4M4A2800C16	SS	Samsung	16-18-18-36	1.2v	v			v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4A2800C16R	SS		16-18-18-36	1.2v	v	v		v	2133
CORSAIR	8GB	2Rx8	CMK64GX4M8B2800C14	DS		14-16-16-36	1.35v	v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMD64GX4M8B2800C14	DS		14-16-16-36	1.35v	v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4B2800C14 ver 4.31	DS	Samsung	14-16-16-36	1.35v	v	v		v	2133
CORSAIR	16GB	2Rx8	CMD128GX4M8B2800C14	DS		14-16-16-36	1.35v	v	v		v	2133
CORSAIR	16GB	2Rx8	CMD32GX4M2B2800C14	DS		14-16-16-36	1.35v	v			v	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4B2800C14 ver 4.31	DS	Samsung	14-16-16-36	1.35v	v	v		v	2133
G.SKILL	4GB	1Rx8	F4-2800C16Q-16GRK	SS		16-16-16-36	1.2v	v	v		v	2133
G.SKILL	8GB	2Rx8	F4-2800C16Q-32GRK	DS		16-16-16-36	1.2v	v	v		v	2133
G.SKILL	8GB	2Rx8	F4-2800C15Q2-64GRK	DS		15-16-16-35	1.25v	v	v	v	v	2133
G.SKILL	16GB	2Rx8	F4-2800C15Q2-128GRKD	DS		15-15-15-35	1.35v	v	v	v	v	2133
HyperX	4GB	1Rx8	HX428C14SB2K4/16	SS	Hynix	C14	1.35v	v	v		v	2133
HyperX	4GB	1Rx8	HX428C14SB2K2/8	SS	Hynix	C14	1.35v	v	v		v	2133
HyperX	8GB	2Rx8	HX428C14SB2K4/32	DS	Hynix	C14	1.35v	v	v		v	2133
HyperX	8GB	2Rx8	HX428C14SB2K2/16	DS	Hynix	C14	1.35v	v	v		v	2133
HyperX	8GB	2Rx8	HX428C14PBK8/64	DS		C14	1.35v	v	v	v	v	2133
HyperX	8GB	2Rx8	HX428C14SB2K8/64	DS		C14	1.35v	v	v		v	2133
ADATA	4GB	1Rx8	AX4U2800W4G17-DRZ	SS	Hynix	17-17-17-36	1.2v	v			v	2133
ADATA	4GB	1Rx8	AX4U2800W4G17-QRZ	SS	Hynix	17-17-17-36	1.2v	v	v		v	2133
ADATA	8GB	2Rx8	AX4U2800W8G17-DRZ	DS	Hynix	17-17-17-36	1.2v	v			v	2133
ADATA	8GB	2Rx8	AX4U2800W8G17-QRZ	DS	Hynix	17-17-17-36	1.2v	v	v		v	2133
ADATA	8GB	2Rx8	AX4U2800W8G15-QRD	DS		CL15	1.35	v	v		v	2133
ADATA	8GB	1Rx8	AX4U280038G17-DRZ	SS	Hynix	17-17-17	1.2	v			v	2133
ADATA	8GB	1Rx8	AX4U280038G17-QRZ	SS	Hynix	17-17-17	1.2	v	v		v	2133
ADATA	8GB	2Rx8	AX4U2800W8G17-DRD	DS	Hynix	17-17-17	1.2	v			v	2133
ADATA	8GB	2Rx8	AX4U2800W8G17-QRD	DS	Hynix	17-17-17	1.2	v	v		v	2133
ADATA	16GB	2Rx8	AX4U2800316G16-DRZ	DS		16-16-16-36	1.2v	v			v	2133
ADATA	16GB	2Rx8	AX4U2800316G16-RRZ	DS		16-16-16-36	1.2v	v	v		v	2133
ADATA	16GB	2Rx8	AX4U2800316G16-SBF	DS		16-16-16	1.2v	v	v		v	2133
ADATA	16GB	2Rx8	AX4U2800316G16-DRD	DS	Hynix	16-16-16	1.2	v			v	2133
ADATA	16GB	2Rx8	AX4U2800316G16-QRD	DS	Hynix	16-16-16	1.2	v	v		v	2133
Avexir	4GB	1Rx8	AVD4U28001504G-4CIR	SS		CL15	1.2v	v	v		v	2133
Avexir	8GB	2Rx8	AVD4U28001608G-4CIR	DS		CL16	1.2v	v			v	2133
Apacer	8GB	2Rx8	AHU08GGB28CET6H	DS		17-17-17-36	1.2v	v			v	2133
KLEVV	4GB	1Rx8	KM4C4GX4N-2800-16-16-16-36-0	SS		16-16-16-36	1.2v	v	v		v	2133
KLEVV	8GB	2Rx8	KM4C8GX4N-2800-16-16-16-36-0	DS		16-16-16-36	1.2v	v	v		v	2133
PATRIOT	4GB	1Rx8	PVE48G280C6KGY	SS		CL16	1.2v	v	v		v	2133
Team	4GB	1Rx8	TLRED416G2800HC16CQC01	SS		16-18-18-38	1.2v	v	v		v	2133
Team	4GB	1Rx8	TDGED416G2800HC16CQC01	SS		16-18-18-38	1.2v	v	v		v	2133
Team	4GB	1Rx8	TLRED48G2800HC16CDC01	SS		16-18-18-38	1.2v	v			v	2133
Team	4GB	1Rx8	TDGED48G2800HC16CDC01	SS		16-18-18-38	1.2v	v			v	2133
Team	8GB	2Rx8	TLRED432G2800HC16CQC01	DS		16-18-18-38	1.2v	v	v		v	2133
Team	8GB	2Rx8	TDGED432G2800HC16CQC01	DS		16-18-18-38	1.2v	v	v		v	2133
Team	8GB	2Rx8	THRD432G2800HC16CQC01	DS		16-18-18-38	1.2v	v	v		v	2133
Team	8GB	2Rx8	THWD432G2800HC16CQC01	DS		16-18-18-38	1.2v	v	v		v	2133
Team	8GB	2Rx8	THBD432G2800HC16CQC01	DS		16-18-18-38	1.2v	v	v		v	2133
Team	8GB	2Rx8	TLRED416G2800HC16CDC01	DS		16-18-18-38	1.2v	v			v	2133
Team	8GB	2Rx8	TDGED416G2800HC16CDC01	DS		16-18-18-38	1.2v	v			v	2133
Team	8GB	2Rx8	THRD416G2800HC16CDC01	DS		16-18-18-38	1.2v	v			v	2133
Team	8GB	2Rx8	THWD416G2800HC16CDC01	DS		16-18-18-38	1.2v	v			v	2133
Team	8GB	2Rx8	THBD416G2800HC16CDC01	DS		16-18-18-38	1.2v	v			v	2133
Team	16GB	2Rx8	THRD464G2800HC16CQC01	DS		16-18-18-38	1.2v	v	v		v	2133
Team	16GB	2Rx8	THWD464G2800HC16CQC01	DS		16-18-18-38	1.2v	v	v		v	2133
Team	16GB	2Rx8	THBD464G2800HC16CQC01	DS		16-18-18-38	1.2v	v	v		v	2133
Team	16GB	2Rx8	THRD432G2800HC16CDC01	DS		16-18-18-38	1.2v	v			v	2133
Team	16GB	2Rx8	THWD432G2800HC16CDC01	DS		16-18-18-38	1.2v	v			v	2133
Team	16GB	2Rx8	THBD432G2800HC16CDC01	DS		16-18-18-38	1.2v	v			v	2133

DDR4 2666MHz

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
HyperX	4GB	1Rx8	HX426C13SB2K4/16	SS	SKhynix	CL13	1.35v	v	v		v	2133
HyperX	4GB	1Rx8	HX426C13SB2K2/8	SS	SKhynix	CL13	1.35v	v			v	2133
HyperX	4GB	1Rx8	HX426C15FBK4/16	SS	SKhynix	CL15	1.2v	v	v		v	2666
HyperX	4GB	1Rx8	HX426C15FBK2/8	SS	SKhynix	CL15	1.2v	v			v	2666

HyperX	4GB	1Rx8	HX426C15FBK4/16	SS	Micron	CL15	1.2v	v	v	v	2666
HyperX	4GB	1Rx8	HX426C15FBK2/8	SS	Micron	CL15	1.2v	v		v	2666
HyperX	8GB	2Rx8	HX426C13SB2K4/32	DS	Hynix	CL13	1.35v	v	v	v	2133
HyperX	8GB	2Rx8	HX426C13SB2K2/16	DS	Hynix	CL13	1.35v	v		v	2133
HyperX	8GB	2Rx8	HX426C15FBK4/32	DS	Hynix	CL15	1.2v	v	v	v	2666
HyperX	8GB	2Rx8	HX426C15FBK2/16	DS	Hynix	CL15	1.2v	v		v	2666
HyperX	8GB	2Rx8	HX426C15FBK4/32	DS	Micron	CL15	1.2v	v	v	v	2666
HyperX	8GB	2Rx8	HX426C15FBK2/16	DS	Micron	CL15	1.2v	v		v	2666
HyperX	8GB	1Rx8	HX426C16FB2K4/32	SS	Hynix	CL16	1.2v	v	v	v	2666
HyperX	8GB	1Rx8	HX426C16FB2K2/16	SS	Hynix	CL16	1.2v	v		v	2666
HyperX	8GB	1Rx8	HX426C16FB2K4/32	SS	Micron	CL16	1.2v	v	v	v	2666
HyperX	8GB	1Rx8	HX426C16FB2K2/16	SS	Micron	CL16	1.2v	v		v	2666
HyperX	16GB	2Rx8	HX426C15SBK8/128	DS	Hynix	CL15	1.2v	v	v	v	2133
HyperX	16GB	2Rx8	HX426C16FBK4/64	DS	Hynix	CL16	1.2v	v	v	v	2666
HyperX	16GB	2Rx8	HX426C16FBK2/32	DS	Hynix	CL16	1.2v	v		v	2666
HyperX	16GB	2Rx8	HX426C16FWK4/64	DS	Hynix	CL16	1.2v	v	v	v	2666
HyperX	16GB	2Rx8	HX426C16FWK2/32	DS	Hynix	CL16	1.2v	v		v	2666
Kingston	8GB	1Rx8	KVR26N19S8/8	SS	Micron	CL19	1.2v	v	v	v	2666
Kingston	16GB	2Rx8	KVR26N19D8/16	DS	Micron	CL19	1.2v	v	v	v	2666
CORSAIR	4GB	1Rx8	CMK16GX4M4A2666C15	SS	Samsung	15-17-17-35	1.2v	v	v	v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4A2666C15R	SS	Samsung	15-17-17-35	1.2v	v	v	v	2133
CORSAIR	4GB	1Rx8	CMD16GX4M4A2666C15	SS	Samsung	15-17-17-35	1.2v	v	v	v	2133
CORSAIR	4GB	1Rx8	CMD16GX4M4A2666C16	SS	Samsung	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	4GB	1Rx8	CMD8GX4M2A2666C15	SS		15-17-17-35	1.2v	v	v	v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4A2666C16 ver 3.21	SS	Micron	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4A2666C16B ver 3.21	SS	Micron	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4A2666C16R ver 3.21	SS	Micron	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	4GB	1Rx8	CMD16GX4M4A2666C12 ver 5.20	SS	Hynix	12-14-14-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C15	DS	Samsung	15-17-17-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMD32GX4M4A2666C15	DS	Samsung	15-17-17-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMD32GX4M4A2666C16	DS	Samsung	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMK16GX4M2A2666C16 ver4.23	DS	Samsung	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMK16GX4M2A2666C16Rver4.23	DS	Samsung	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMK16GX4M2A2666C16W ver4.23	DS	Samsung	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMD16GX4M2A2666C15 ver4.23	DS	Samsung	15-17-17-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMK64GX4M8A2666C16	DS	Samsung	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMU32GX4M4A2666C16 ver3.21	DS	Micron	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMU32GX4M4A2666C16R ver3.21	DS	Micron	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16 ver3.21	DS	Micron	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16R ver .21	DS	Micron	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2666C16W ver3.21	DS	Micron	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMU32GX4M4A2666C16 ver5.30	SS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMU32GX4M4A2666C16R ver5.30	SS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16 ver5.30	SS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16B ver5.30	SS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16R ver5.30	SS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMK32GX4M4A2666C16W ver5.30	SS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2A2666C16 ver5.30	DS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2A2666C16R ver5.30	DS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2A2666C16W ver5.30	DS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	8GB	1Rx8	CMR64GX4M8A2666C16 ver5.30	SS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16	DS		16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16R	DS		16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16W	DS		16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16 ver 4.31	DS	Samsung	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16W ver 4.31	DS	Samsung	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMD128GX4M8A2666C15	DS	Samsung	15-17-17-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK32GX4M2A2666C16R	DS		16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMU64GX4M4A2666C16	DS		16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMD64GX4M4A2666C15	DS		15-17-17-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16 ver3.31	DS	Micron	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK64GX4M4A2666C16W ver3.31	DS	Micron	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK16GX4M1A2666C16 ver5.39	DS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	16GB	2Rx8	CMK128GX4M8A2666C16 ver5.39	DS	Hynix	16-18-18-35	1.2v	v	v	v	2133
CORSAIR	32GB	2Rx8	CMK256GX4M8A2666C16 ver 5.49	DS	Hynix	16-18-18-35	1.2v	v	v	v	2133
G.SKILL	4GB	1Rx8	F4-2666C15Q-16GRR	SS		15-15-15-35	1.2v	v	v	v	2133
G.SKILL	8GB	2Rx8	F4-2666C15Q-32GRR	DS	Hynix	15-15-15-35	1.2v	v	v	v	2133
G.SKILL	8GB	2Rx8	F4-2666C16Q2-64GRB	DS	Hynix	16-16-16-36	1.2v	v	v	v	2133
ADATA	4GB	1Rx8	AX4U2666W4G16-DRZ	SS	Hynix	16-16-16	1.2v	v		v	2133
ADATA	4GB	1Rx8	AX4U2666W4G16-QRZ	SS	Hynix	16-16-16	1.2v	v	v	v	2133

ADATA	8GB	2Rx8	AX4U2666W8G16-DRZ	DS	Hynix	16-16-16	1.2v	v			v	2133
ADATA	8GB	2Rx8	AX4U2666W8G16-QRZ	DS	Hynix	16-16-16	1.2v	v	v		v	2133
Avexir	4GB	1Rx8	AVD4U26661504G-4CIR	SS		CL15	1.2v	v	v		v	2133
Avexir	8GB	2Rx8	AVD4U26661608G-4CIR	DS		CL16	1.2v	v	v		v	2133
Avexir	8GB	1Rx8	AVD4UZ126661708G-4COR	SS	Samsung	17-17-17-37	1.2v	v	v		v	2133
			AVD4UZ126661708G-4COB					v	v		v	2133
			AVD4UZ126661708G-4COG					v	v		v	2133
			AVD4UZ126661708G-4COW					v	v		v	2133
			AVD4UZ126661708G-4COY					v	v		v	2133
			AVD4UZ126661708G-4COO					v	v		v	2133
			AVD4UZ126661708G-4CWW					v	v		v	2133
Apacer	4GB	1Rx8	AHU04GGB26CDT6H	SS		16-16-16-36	1.2v	v	v		v	2133
Apacer	8GB	2Rx8	AHU08GGB26CDT6H	DS		16-16-16-36	1.2v	v	v		v	2133
CRUCIAL	4GB	1Rx8	BLT4G4D26AFTA.8FADG	SS		16-17-17-36	1.2v	v	v		v	2400
CRUCIAL	4GB	1Rx8	BLE4G4D26AFEA.8FADG	SS		16-17-17-36	1.2v	v	V		v	2400
CRUCIAL	4GB	1Rx8	BLS4G4D26BFSC.8FBR2	SS		16-18-18-38	1.2v	v	v		v	2666
CRUCIAL	8GB	2Rx8	BLT8G4D26AFTA.16FAD	DS	Micron	16-17-17-36	1.2v	v	V		v	2400
CRUCIAL	8GB	2Rx8	BLS8G4D26BFSC.16FBR2	DS		16-18-18-38	1.2v	v	v		v	2666
CRUCIAL	16GB	2Rx8	BLS16G4D26BFSC.16FBD	DS		16-18-18-38	1.2v	v	v		v	2666
PATRIOT	4GB	1Rx8	PVE48G266C5KBL	SS		CL15	1.2v	v	V		v	2133
KLEVV	4GB	1Rx8	KM4Z4GX1N-2666-15-15-15-35-1	SS		15-15-15-35	1.2v	v	v		v	2400
KLEVV	8GB	1Rx8	KM4Z8GX1N-2666-15-15-15-35-1	SS		15-15-15-35	1.2v	v	v		v	2400
KLEVV	16GB	2Rx8	KM4Z16X1N-2666-15-15-15-35-1	DS		15-15-15-35	1.2v	v	v		v	2400
Team	4GB	1Rx8	TLRED416G2666HC15BQC01	SS		15-17-17-35	1.2v	v	v		v	2133
Team	4GB	1Rx8	TDGED416G2666HC15BQC01	SS		15-17-17-35	1.2v	v	v		v	2133
Team	4GB	1Rx8	TLRED48G2666HC15BDC01	SS		15-17-17-35	1.2v	v			v	2133
Team	4GB	1Rx8	TDGED48G2666HC15BDC01	SS		15-17-17-35	1.2v	v			v	2133
Team	8GB	2Rx8	TLRED432G2666HC15BQC01	DS		15-17-17-35	1.2v	v	v		v	2133
Team	8GB	2Rx8	TDGED432G2666HC15BQC01	DS		15-17-17-35	1.2v	v	v		v	2133
Team	8GB	2Rx8	THRD432G2666HC15BQC01	DS		15-17-17-35	1.2v	v	v		v	2133
Team	8GB	2Rx8	THWD432G2666HC15BQC01	DS		15-17-17-35	1.2v	v	v		v	2133
Team	8GB	2Rx8	THBD432G2666HC15BQC01	DS		15-17-17-35	1.2v	v	v		v	2133
Team	8GB	2Rx8	TLRED416G2666HC15BDC01	DS		15-17-17-35	1.2v	v			v	2133
Team	8GB	2Rx8	TDGED416G2666HC15BDC01	DS		15-17-17-35	1.2v	v			v	2133
Team	8GB	2Rx8	THRD416G2666HC15BDC01	DS		15-17-17-35	1.2v	v			v	2133
Team	8GB	2Rx8	THWD416G2666HC15BDC01	DS		15-17-17-35	1.2v	v			v	2133
Team	8GB	2Rx8	THBD416G2666HC15BDC01	DS		15-17-17-35	1.2v	v			v	2133
Team	16GB	2Rx8	THRD464G2666HC15BQC01	DS		15-17-17-35	1.2v	v	v		v	2133
Team	16GB	2Rx8	THWD464G2666HC15BQC01	DS		15-17-17-35	1.2v	v	v		v	2133
Team	16GB	2Rx8	THBD464G2666HC15BQC01	DS		15-17-17-35	1.2v	v	v		v	2133
Team	16GB	2Rx8	THRD432G2666HC15BDC01	DS		15-17-17-35	1.2v	v			v	2133
Team	16GB	2Rx8	THWD432G2666HC15BDC01	DS		15-17-17-35	1.2v	v			v	2133
Team	16GB	2Rx8	THBD432G2666HC15BDC01	DS		15-17-17-35	1.2v	v			v	2133

**DDR4 2400MHz**

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
HyperX	8GB	2Rx8	HX424C12SB2K4/32	DS	SKhynix	C12	1.35v	v	v		v	2133
HyperX	8GB	2Rx8	HX424C12SB2K2/16	DS	SKhynix	C12	1.35v	v			v	2133
HyperX	8GB	2Rx8	HX424C15FB/8	DS	SKhynix	C15	1.2v	v	v		v	2133
HyperX	8GB	1Rx8	HX424C15FB2K4/32	SS		C15	1.2v	v	v		v	2133
HyperX	8GB	1Rx8	HX424C15FB2K2/16	SS		C15	1.2v	v			v	2133
HyperX	16GB	2Rx8	HX424C15FBK4/64	DS		C15	1.2v	v	v		v	2133
HyperX	16GB	2Rx8	HX424C15FBK2/32	DS		C15	1.2v	v			v	2133
HyperX	16GB	2Rx8	HX424C14SBK4/64	DS		C14	1.2v	v	v		v	2133
Kingston	4GB	1Rx8	KVR24N17S8/4	SS	Micron	CL17	1.2v	v	v	v		2400
Kingston	8GB	2Rx8	KVR24N17D8/8	DS	Micron	CL17	1.2v	v	v	v		2400
Kingston	8GB	1Rx8	KVR24N17S8/8	SS	Micron	CL17	1.2v	v	v			2400
Kingston	16GB	2Rx8	KVR24N17D8/16	DS	Micron	CL17	1.2v	v	v	v		2400
CORSAIR	4GB	1Rx8	CMK16GX4M4A2400C14	SS	Samsung	14-16-16-31	1.2v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4A2400C14B	SS	Samsung	14-16-16-31	1.2v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMK16GX4M4A2400C14R	SS	Samsung	14-16-16-31	1.2v	v	v		v	2133
CORSAIR	4GB	1Rx8	CMD16GX4M4A2400C14	SS	Samsung	14-16-16-31	1.2v	v	v		v	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C14	DS	Samsung	14-16-16-31	1.2v	v	v		v	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C14B	DS	Samsung	14-16-16-31	1.2v	v	v		v	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C14R	DS	Samsung	14-16-16-31	1.2v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMD64GX4M8A2400C14 ver4.24	SS	Samsung	14-16-16-31	1.2v	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	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C16R	SS		16-16-16-39	1.2v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2A2400C16	SS		16-16-16-39	1.2v	v			v	2133



CORSAIR	8GB	1Rx8	CMK16GX4M2A2400C16R	SS		16-16-16-39	1.2v	v			v	2133
CORSAIR	8GB	2Rx8	CMD32GX4M4A2400C12	DS		12-14-14-28	1.2v	v	v		v	2133
CORSAIR	8GB	2Rx8	CMK32GX4M4A2400C12	DS		12-14-14-28	1.2v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2Z2400C16 ver3.31	SS	Micron	16-16-16-39	1.2v	v	v		v	2133
CORSAIR	8GB	1Rx8	CMK16GX4M2A2400C16 ver5.30	SS	Hynix	16-16-16-39	1.2v	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	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
G.SKILL	4GB	1Rx8	F4-2400C15Q-16GRR	SS	Micron	15-15-15-35	1.2v	v	v		v	2133
G.SKILL	8GB	2Rx8	F4-2400C15Q-32GRR	DS	Micron	15-15-15-35	1.2v	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	1Rx8	F4-2400C17S-8GDB	SS		17-17-17-39	1.2v	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	F4-2400C14Q2-128GRK	DS		14-14-14-34	1.2v	v	v	v	v	2133
ADATA	4GB	1Rx8	AD4U2400W4G17-B	SS	Hynix		1.2v	v	v			2400
ADATA	8GB	2Rx8	AD4U2400W8G17-B	DS	Hynix		1.2v	v	v			2400
ADATA	8GB	2Rx8	AX4U2400W8G16-DRD	DS	Hynix	16-16-16	1.2v	v			v	2133
ADATA	8GB	2Rx8	AX4U2400W8G16-QRD	DS	Hynix	16-16-16	1.2v	v	v		v	2133
ADATA	8GB	1Rx8	AX4U240038G16-DRZ	SS	Hynix	16-16-16	1.2v	v			v	2133
ADATA	8GB	1Rx8	AX4U240038G16-QRZ	SS	Hynix	16-16-16	1.2v	v	v		v	2133
ADATA	8GB	2Rx8	AX4U2400W8G16-DRZ	DS		16-16-16	1.2v	v			v	2133
ADATA	8GB	2Rx8	AX4U2400W8G16-QRZ	DS		16-16-16	1.2v	v	v		v	2133
ADATA	16GB	2Rx8	AX4U2400316G16-DRZ	DS	Hynix	16-16-16	1.2v	v			v	2133
ADATA	16GB	2Rx8	AX4U2400316G16-QRZ	DS	Hynix	16-16-16	1.2v	v	v		v	2133
ADATA	16GB	2Rx8	AX4U2400316G16-DRD	DS	Hynix	16-16-16	1.2v	v			v	2133
ADATA	16GB	2Rx8	AX4U2400316G16-QRD	DS	Hynix	16-16-16	1.2v	v	v		v	2133
Apacer	8GB	2Rx8	AU08GGB24CETBGC	DS		CL17	1.2v	v	v			2400
Apacer	8GB	1Rx8	AHU08GGB24CDU7G	SS		16-16-16-36	1.2v	v	v		v	2133
Apacer	8GB	1Rx8	AU08GGB24CEYBGC	SS		CL17	1.2v	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	2133
Avexir	4GB	1Rx8	AVD4U24001604G-4M	SS	SKHynix	CL16	1.2v	v			v	2133
Avexir	4GB	1Rx8	AVD4UZ124001604G-2COB	SS	Spectek	CL16	1.2v	v	v		v	2133
Avexir	4GB	1Rx8	AVD4UZ124001604G-4COR	SS	Spectek	16-16-16-36	1.2v	v	v		v	2133
			AVD4UZ124001604G-4COB					v	v		v	2133
			AVD4UZ124001604G-4COG					v	v		v	2133
			AVD4UZ124001604G-4COW					v	v		v	2133
			AVD4UZ124001604G-4COY					v	v		v	2133
			AVD4UZ124001604G-4COO					v	v		v	2133
			AVD4UZ124001604G-4CWW					v	v		v	2133
Avexir	8GB	2Rx8	AVD4U24001608G-4M	DS	SKHynix	CL16	1.2v	v	v		v	2133
Avexir	8GB	2Rx8	AVD4UZ124001608G-2COB	DS	Spectek	CL16	1.2v	v	v	v	v	2133
Avexir	8GB	2Rx8	AVD4UZ124001608G-4COR	DS	Micron	16-16-16-36	1.2v	v	v			2400
			AVD4UZ124001608G-4COB					v	v			2400
			AVD4UZ124001608G-4COG					v	v			2400
			AVD4UZ124001608G-4COW					v	v			2400
			AVD4UZ124001608G-4COY					v	v			2400
			AVD4UZ124001608G-4COO					v	v			2400
			AVD4UZ124001608G-4CWW					v	v			2400
Avexir	16GB	2Rx8	AVD4UZ124001616G-4CWW	DS	Micron	16-16-16-36	1.2v	v	v			2400
			AVD4UZ124001616G-4COB					v	v			2400
			AVD4UZ124001616G-4COG					v	v			2400
			AVD4UZ124001616G-4COW					v	v			2400
			AVD4UZ124001616G-4COY					v	v			2400
			AVD4UZ124001616G-4COO					v	v			2400
			AVD4UZ124001616G-4COR					v	v			2400
CRUCIAL	4GB	1Rx8	BLS4G4D240FSB.8FADG	SS	Micron	16-16-16-39	1.2v	v	v		v	2400
CRUCIAL	8GB	2Rx8	BLS8G4D240FSB.16FARG	DS	Micron	16-16-16-39	1.2v	v	v		v	2400
CRUCIAL	8GB	2Rx8	BLS8G4D240FSA.16FARG	DS	Micron	16-16-16-39	1.2v	v	v		v	2400
CRUCIAL	8GB	1Rx8	CT8G4DFS824A.8FB1	SS	Micron	CL17	1.2v	v	v			2400
CRUCIAL	8GB	2Rx8	CT8G4WFD824A.18FB1	DS	Micron	CL17	1.2v	v	v			2400
CRUCIAL	8GB	2Rx8	BLS8G4D240FSB.16FAR	DS	Micron	16-16-16-39	1.2v	v	v		v	2400
CRUCIAL	16GB	2Rx8	BLS16G4D240FSB.16FAD	DS	Micron	16-16-16-39	1.2v	v			v	2400
CRUCIAL	16GB	2Rx8	CT16G4DFD824A.16FB1	DS	Micron	CL17	1.2v	v	v	v		2400
CRUCIAL	16GB	2Rx8	CT16G4WFD824A.18FB1	DS	Micron	CL17	1.2v	v	v			2400
GEIL	8GB	2Rx8	GPR432GB2400C15QC	DS		15-15-15-35	1.2v	v	v		v	2133
GALAX	4GB	1Rx8	GAM4BXLBS240016JE164C	SS		16-16-16-36	1.2v	v	v		v	2133
GALAX	4GB	1Rx8	HOF4BLBM240012FD041C	SS		12-12-12-28	1.35v	v	v		v	2133
GLOWAY	8GB	2Rx8	8G-2400	DS		15-15-15-35	1.2v	v	v		v	2133
KLEVV	4GB	1Rx8	KM4B4GX1N-2400-15-15-15-35-0	SS		15-15-15-35	1.2v	v	v		v	2400

KLEVV	4GB	1Rx8	KM4Z4GX1N-2400-15-15-15-35-1	SS		15-15-15-35	1.2v	v	v	v	2400
KLEVV	8GB	1Rx8	KM4B8GX1N-2400-15-15-15-35-0	SS		15-15-15-35	1.2v	v	v	v	2400
KLEVV	8GB	1Rx8	KM4Z8GX1N-2400-15-15-15-35-1	SS		15-15-15-35	1.2v	v	v	v	2400
KLEVV	16GB	2Rx8	KM4B16X1N-2400-15-15-15-35-0	DS		15-15-15-35	1.2v	v	v	v	2400
KLEVV	16GB	2Rx8	KM4Z16X1N-2400-15-15-15-35-0	DS		15-15-15-35	1.2v	v	v	v	2400
PATRIOT	4GB	1Rx8	PVE48G240C5KRD	SS		CL15	1.2v	v	v	v	2133
PATRIOT	8GB	1Rx8	PVE416G240C5KBL	SS		CL15	1.2v	v	v	v	2133
PATRIOT	8GB	1Rx8	PSD48G240081	SS		CL17	1.2v	v	v		2400
PATRIOT	8GB	1Rx8	PV432G240C5QK	SS		15-15-15-35	1.2v	v	v	v	2133
PATRIOT	16GB	2Rx8	PSD416G24002	DS		CL17	1.2v	v	v		2400
Team	4GB	1Rx8	TDTRD416G2400HC15AQC01	SS		15-15-15-35	1.2v	v	v	v	2133
Team	4GB	1Rx8	TDTWD416G2400HC15AQC01	SS		15-15-15-35	1.2v	v	v	v	2133
Team	4GB	1Rx8	TDTBD416G2400HC15AQC01	SS		15-15-15-35	1.2v	v	v	v	2133
Team	4GB	1Rx8	TDTRD48G2400HC15ADC01	SS		15-15-15-35	1.2v	v		v	2133
Team	4GB	1Rx8	TDTWD48G2400HC15ADC01	SS		15-15-15-35	1.2v	v		v	2133
Team	4GB	1Rx8	TDTBD48G2400HC15ADC01	SS		15-15-15-35	1.2v	v		v	2133
Team	8GB	2Rx8	TED432G2400C16QC01	DS		16-16-16-39	1.2v	v	v		2400
Team	8GB	2Rx8	TPRD432G2400HC16QC01	DS		16-16-16-39	1.2v	v	v		2400
Team	8GB	2Rx8	TPD432G2400HC16QC01	DS		16-16-16-39	1.2v	v	v		2400
Team	8GB	2Rx8	TED416G2400C16DC01	DS		16-16-16-39	1.2v	v			2400
Team	8GB	2Rx8	TPRD416G2400HC16DC01	DS		16-16-16-39	1.2v	v			2400
Team	8GB	2Rx8	TPD416G2400HC16DC01	DS		16-16-16-39	1.2v	v			2400
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			2400
Team	16GB	2Rx8	TPRD432G2400HC16DC01	DS		16-16-16-39	1.2v	v			2400
Team	16GB	2Rx8	TPD432G2400HC16DC01	DS		16-16-16-39	1.2v	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	TDTBD464G2400HC15BQC01	DS		15-17-17-35	1.2v	v	v	v	2133
Team	16GB	2Rx8	TDTRD432G2400HC15BDC01	DS		15-17-17-35	1.2v	v		v	2133
Team	16GB	2Rx8	TDTWD432G2400HC15BDC01	DS		15-17-17-35	1.2v	v		v	2133
Team	16GB	2Rx8	TDTBD432G2400HC15BDC01	DS		15-17-17-35	1.2v	v		v	2133
Panram	8GB	1Rx8	PUD42400C158G4NJW	SS		CL15	1.2v	v	v		2400
innodisk	8GB	2Rx8	M4C0-8GSSMCSJ	DS	Samsung		1.2v	v	v		2400
V-Color	4GB	1Rx8	TD4G8C17-UH	SS		CL17	1.2v	v	v	v	2400
V-Color	8GB	2Rx8	TD8G16C17-UH	DS		CL17	1.2v	v	v		2400

DDR4 2133MHz

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
HyperX	4GB	1Rx8	HX421C13SBK4/16	SS	SKhynix	CL13	1.2v	v	v		v	
HyperX	4GB	1Rx8	HX421C13SBK2/8	SS	SKhynix	CL13	1.2v	v			v	
HyperX	8GB	2Rx8	HX421C13SBK4/32	DS	SKhynix	CL13	1.2v	v	v		v	
HyperX	8GB	2Rx8	HX421C13SBK2/16	DS	SKhynix	CL13	1.2v	v			v	
HyperX	8GB	1Rx8	HX421C14FB2K4/32	SS		CL14	1.2v	v	v		v	
HyperX	8GB	1Rx8	HX421C14FB2K2/16	SS		CL14	1.2v	v			v	
HyperX	16GB	2Rx8	HX421C14FBK4/64	DS		CL14	1.2v	v	v		v	
HyperX	16GB	2Rx8	HX421C14FBK2/32	DS		CL14	1.2v	v			v	
Kingston	4GB	1Rx8	KVR21N15S8/4	SS	SKhynix	CL15	1.2v	v	v		v	
Kingston	4GB	1Rx8	KVR21E15S8/4	SS	SKhynix	CL15	1.2v	v	v		v	
Kingston	8GB	2Rx8	KVR21N15D8/8	DS	SKhynix	CL15	1.2v	v	v		v	
Kingston	8GB	2Rx8	KVR21E15D8/8HA	DS	SKhynix	CL15	1.2v	v	v		v	
Kingston	8GB	1Rx8	KVR21N15S8/8	DS	Micron	CL15	1.2v	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	
CORSAIR	4GB	1Rx8	CMK16GX4M4A2133C13B	SS		13-15-15-28	1.2v	v	v		v	
CORSAIR	4GB	1Rx8	CMK16GX4M4A2133C13R	SS		13-15-15-28	1.2v	v	v		v	
CORSAIR	4GB	1Rx8	CMD16GX4M4B2133C10	SS		10-12-12-31	1.35v	v	v		v	
CORSAIR	8GB	2Rx8	CMV8GX4M1A2133C15	DS	SKhynix	CL15	1.2v	v	v		v	
CORSAIR	8GB	2Rx8	CMK64GX4M8A2133C13	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	
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	
CORSAIR	16GB	2Rx8	CMK128GX4M8A2133C13	DS		13-15-15-28	1.2v	v	v	v	v	
G.SKILL	4GB	1Rx8	F4-2133C15Q-16GRR	SS	Micron	15-15-15-35	1.2v	v	v		v	
G.SKILL	8GB	2Rx8	F4-2133C15Q-32GRR	DS	Micron	15-15-15-35	1.2v	v	v	v	v	
			AVD4UZ121331504G-4COR					v	v		v	
			AVD4UZ121331504G-4COB					v	v		v	

Avexir	4GB	1Rx8	AVD4UZ121331504G-4COG	SS	Spectek	15-15-15-35	1.2v	v	v			v	
			AVD4UZ121331504G-4COW					v	v			v	
			AVD4UZ121331504G-4COY					v	v			v	
			AVD4UZ121331504G-4COO					v	v			v	
			AVD4UZ121331504G-4CWW					v	v			v	
Avexir	8GB	2Rx8	AVD4UZ121331508G-4COB	DS	Spectek	15-15-15-35	1.2v	v	v			v	
			AVD4UZ121331508G-4COR					v	v			v	
			AVD4UZ121331508G-4COG					v	v			v	
			AVD4UZ121331508G-4COW					v	v			v	
			AVD4UZ121331508G-4COY					v	v			v	
			AVD4UZ121331508G-4COO					v	v			v	
			AVD4UZ121331508G-4CWW					v	v			v	
CRUCIAL	4GB	1Rx8	CT4G4DFS8213.C8FAR1	SS	Micron	CL15	1.2v	v	v			v	
CRUCIAL	4GB	1Rx8	CT4G4WFS8213.9FA1	SS	Micron	CL15	1.2v	v	v			v	
CRUCIAL	4GB	1Rx8	CT4G4DFS8213.8FA2	SS	Micron		1.2v	v	v			v	
CRUCIAL	8GB	2Rx8	CT8G4WFD8213	DS	Micron	CL15	1.2v	v	v	v		v	
CRUCIAL	8GB	2Rx8	CT8G4DFD8213.16FA2	DS	Micron		1.2v	v	v			v	
CRUCIAL	8GB	2Rx8	CT8G4DFD8213.C16FAR11	DS	Micron		1.2v	v	v			v	
CRUCIAL	8GB	1Rx8	CT8G4DFS8213.8FB1	SS	Micron	CL15	1.2v	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		v
Silicon POWER	4GB	1Rx8	SP004GBLFU213N01	SS	Samsung	CL15		1.2v	v	v			v
Silicon POWER	8GB	2Rx8	SP008GBLFU213N01	DS	Samsung	CL15		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		15-15-15-36	1.2v	v	v			v
Team	8GB	2Rx8	TPRD432G2133HC15QC01	DS	SKHynix		15-15-15-36	1.2v	v	v			v
Team	8GB	2Rx8	TPD432G2133HC15QC01	DS	SKHynix		15-15-15-36	1.2v	v	v			v
Team	8GB	2Rx8	TED416G2133C15DC01	DS	SKHynix		15-15-15-36	1.2v	v				v
Team	8GB	2Rx8	TPRD416G2133HC15DC01	DS	SKHynix		15-15-15-36	1.2v	v				v
Team	8GB	2Rx8	TPD416G2133HC15DC01	DS	SKHynix		15-15-15-36	1.2v	v				v
Team	16GB	2Rx8	TED464G2133C15QC01	DS	SKHynix		15-15-15-36	1.2v	v	v			v
Team	16GB	2Rx8	TPRD464G2133HC15QC01	DS	SKHynix		15-15-15-36	1.2v	v	v			v
Team	16GB	2Rx8	TPD464G2133HC15QC01	DS	SKHynix		15-15-15-36	1.2v	v	v			v
Team	16GB	2Rx8	TED432G2133C15DC01	DS	SKHynix		15-15-15-36	1.2v	v				v
Team	16GB	2Rx8	TPRD432G2133HC15DC01	DS	SKHynix		15-15-15-36	1.2v	v				v
Team	16GB	2Rx8	TPD432G2133HC15DC01	DS	SKHynix		15-15-15-36	1.2v	v				v
Panram	8GB	1Rx8	PUD42133C158G2VS	SS			CL15	1.2v	v	v	v		v
V-Color	8GB	1Rx8	TE48G21S815	SS	SKHynix		CL15	1.2v	v	v			v
V-Color	16GB	2Rx8	TE416G21D815	DS	SKHynix		CL15	1.2v	v	v			v

#### RDIMM DDR4 2133MHz

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CRUCIAL	4GB	1Rx8	CT4G4RFS8213.9FA2	DS	Micron		1.2v	v	v	v		v
CRUCIAL	8GB	1Rx4	CT8G4RFS4213	DS	Micron	CL15	1.2v	v	v	v		v
CRUCIAL	16GB	2Rx4	CT16G4RFD4213	DS	Micron	CL15	1.2v	v	v	v		v
Kingston	8GB	1Rx4	KVR21R15S4/8	DS	SKHynix	CL15	1.2v	v	v	v		v
Kingston	16GB	2Rx4	KVR21R15D4/16	DS	SKHynix	CL15	1.2v	v	v	v		v
SAMSUNG	8GB	1Rx4	M393A1G40DB0-CPB	DS	Samsung		1.2v	v	v	v		v
SAMSUNG	16GB	2Rx4	M393A2G40DB0-CPB	DS	Samsung		1.2v	v	v	v		v

#### RDIMM DDR4 2400MHz

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CRUCIAL	8GB	1Rx4	CT8G4RFS424A.18FB1	DS	Micron	CL17	1.2v	v	v	v		v
CRUCIAL	8GB	2Rx8	CT8G4RFD824A.18FB1	DS	Micron	CL17	1.2v	v	v	v		v
CRUCIAL	16GB	2Rx4	CT16G4RFD424A.36FB1	DS	Micron	CL17	1.2v	v	v	v		v
CRUCIAL	16GB	1Rx4	CT16G4RFS424A.18FB1	DS	Micron	CL17	1.2v	v	v	v		v
CRUCIAL	16GB	2Rx8	CT16G4RFD824A.18FB1	DS	Micron	CL17	1.2v	v	v	v		v
CRUCIAL	32GB	2Rx4	CT32G4RFD424A	DS	Micron	CL16	1.2v	v	v			v
CRUCIAL	32GB	2Rx4	CT32G4RFD424A.36FB1	DS	Micron		1.2v	v	v	v		v

#### Load Reduced DIMM (LRDIMM) DDR4 2400MHz

Module Supplier	Density	# of Ranks x DRAM devices	Module P/N.	SS/DS	Chip Brand	Timing	Voltage	Memory socket support			XMP	Native
								2	4	8		
CRUCIAL	32GB	2Rx4	CT32G4LFD424A.36FB1	DS	Micron	CL17	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\_1C, DDR4\_1\_1D** 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\_1C, DDR4\_1\_1D** 插槽以確保更好的相容性

• When running XMP at **DDR4 3200 MHz or higher**, the system's stability depends on the CPU's capabilities.

當執行XMP至**DDR4 3200MHz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, and chips 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/ 顆粒等之記憶體模組。