







Apacer	8GB	2Rx8	AU08GGB24CETBGC	DS			CL17	1.2v	v	v	v		2400	
Apacer	8GB	1Rx8	AHU08GGB24CDU7G	SS			16-16-16-36		v	v	v	v	2133	
Apacer	8GB	1Rx8	AU08GGB24CEYBGC	SS			CL17	1.2v	v	v	v	v	2400	
Apacer	16GB	2Rx8	AHU16GGB24CDU7V	DS			16-16-16-36	1.2v	v	v	v	v	2133	
Avexir	4GB	1Rx8	AVD4U24001604G-4M	SS	SKhynix		CL16	1.2v	v	v	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	v	2133	
			AVD4UZ124001604G-4COB						v	v	v	v	2133	
			AVD4UZ124001604G-4COG						v	v	v	v	2133	
			AVD4UZ124001604G-4COW						v	v	v	v	2133	
			AVD4UZ124001604G-4COY						v	v	v	v	2133	
			AVD4UZ124001604G-4COO						v	v	v	v	2133	
			AVD4UZ124001604G-4CWW						v	v	v	v	2133	
Avexir	8GB	2Rx8	AVD4U24001608G-4M	DS	SKhynix		CL16	1.2v	v	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	v		2400	
			AVD4UZ124001608G-4COB						v	v	v		2400	
			AVD4UZ124001608G-4COG						v	v	v		2400	
			AVD4UZ124001608G-4COW						v	v	v		2400	
			AVD4UZ124001608G-4COY						v	v	v		2400	
			AVD4UZ124001608G-4COO						v	v	v		2400	
			AVD4UZ124001608G-4CWW						v	v	v		2400	
Avexir	16GB	2Rx8	AVD4UZ124001616G-4CWW	DS	Micron		16-16-16-36	1.2v	v	v	v		2400	
			AVD4UZ124001616G-4COB						v	v	v		2400	
			AVD4UZ124001616G-4COG						v	v	v		2400	
			AVD4UZ124001616G-4COW						v	v	v		2400	
			AVD4UZ124001616G-4COY						v	v	v		2400	
			AVD4UZ124001616G-4COO						v	v	v		2400	
			AVD4UZ124001616G-4COR						v	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	v	2400	
CRUCIAL	8GB	2Rx8	BLS8G4D240FSA.16FARG	DS	Micron		16-16-16-39	1.2v	v	v	v	v	2400	
CRUCIAL	8GB	1Rx8	CT8G4DFS824A.18FB1	SS	Micron		CL17	1.2v	v	v	v		2400	
CRUCIAL	8GB	2Rx8	CT8G4WFD824A.18FB1	DS	Micron		CL17	1.2v	v	v	v		2400	v
CRUCIAL	8GB	2Rx8	BLS8G4D240FSB.16FAR	DS	Micron		16-16-16-39	1.2v	v	v	v		2400	v
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		2400	
CRUCIAL	16GB	2Rx8	CT16G4WFD824A.18FB1	DS	Micron		CL17	1.2v	v	v	v		2400	v
GEIL	4GB	1Rx8	GPB416GB2400C15QC	SS			15-15-15-35	1.2v	v	v	v	v	2133	
GEIL	8GB	2Rx8	GPR432GB2400C15QC	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	v	2400	
KLEVV	4GB	1Rx8	KM4Z4GX1N-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	KM4Z8GX1N-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	KM4Z16X1N-2400-15-15-15-35-0	DS			15-15-15-35	1.2v	v	v	v	v	2400	
PATRIOT	4GB	1Rx8	PX416G240C5QK	SS			15-15-15-35	1.2v	v	v	v	v	2133	
PATRIOT	4GB	1Rx8	PX48G240C5K	SS			15-15-15-35	1.2v	v	v	v	v	2133	
PATRIOT	4GB	1Rx8	PV48G240C5K	SS			CL15	1.2v	v	v	v	v	2133	
PATRIOT	4GB	1Rx8	PVE48G240C5KRD	SS			CL15	1.2v	v	v	v	v	2133	
PATRIOT	8GB	2Rx8	PX432G240C5QK	DS			15-15-15-35	1.2v	v	v		v	2133	
PATRIOT	8GB	2Rx8	PX416G240C5K	DS			15-15-15-35	1.2v	v	v		v	2133	
PATRIOT	8GB	2Rx8	PV416G240C5K	DS			CL15	1.2v	v	v	v	v	2133	
Team	4GB	1Rx8	TDTRD416G2400HC15AQC01	SS			15-15-15-35	1.2v	v	v	v	v	2133	
Team	4GB	1Rx8	TDTRD48G2400HC15ADC01	SS			15-15-15-35	1.2v	v	v		v	2133	
Team	4GB	1Rx8	TDTRD44G2400HC15A01	SS			15-15-15-35	1.2v	v			v	2133	
Team	8GB	2Rx8	TED48G2400C16BK	DS			16-16-16-39	1.2v	v	v	v		2400	
Team	16GB	2Rx8	TED416G2400C16BK	DS			16-16-16-39	1.2v	v	v			2400	
Team	16GB	2Rx8	TDTRD464G2400HC15BQC01	DS			15-17-17-35	1.2v	v	v	v	v	2133	
Team	16GB	2Rx8	TDTRD432G2400HC15BDC01	DS			15-17-17-35	1.2v	v	v		v	2133	
Team	16GB	2Rx8	TDTRD416G2400HC15B01	DS			15-17-17-35	1.2v	v			v	2133	
Panram	8GB	1Rx8	PUD42400C158G4NJW	SS			CL15	1.2v	v	v	v		2400	
innodisk	4GB	1Rx8	M4C0-4GSSLCSJ	SS	Samsung			1.2v	v	v	v		2400	v
innodisk	8GB	2Rx8	M4C0-8GSSMCSJ	DS	Samsung			1.2v	v	v	v		2400	v
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	v		2400	

DDR4 2133MHz

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
									1	2	4			
HyperX	4GB	1Rx8	HX421C13SBK4/16	SS	SKhynix		CL13	1.2v	v	v	v		v	
HyperX	4GB	1Rx8	HX421C13SBK2/8	SS	SKhynix		CL13	1.2v	v	v			v	
HyperX	4GB	1Rx8	HX421C13SB/4	SS	SKhynix		CL13	1.2v	v				v	
HyperX	8GB	2Rx8	HX421C13SBK4/32	DS	SKhynix		CL13	1.2v	v	v	v		v	
HyperX	8GB	2Rx8	HX421C13SBK2/16	DS	SKhynix		CL13	1.2v	v	v			v	
HyperX	8GB	2Rx8	HX421C13SB/8	DS	SKhynix		CL13	1.2v	v				v	
HyperX	8GB	1Rx8	HX421C14FB2K4/32	SS			CL14	1.2v	v	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	
HyperX	16GB	2Rx8	HX421C14FBK4/64	DS			CL14	1.2v	v	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	
Kingston	4GB	1Rx8	KVR21N15S8/4	SS	SKhynix		CL15	1.2v	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	8GB	1Rx8	KVR21N15S8/8	DS	Micron		CL15	1.2v	v	v	v		v	
G.SKILL	16GB	2Rx8	F4-2133C15D-32GFXR	DS			15-15-15-36	1.2v	v	v			v	

G.SKILL	16GB	2Rx8	F4-2133C15Q-64GFXR	DS			15-15-15-36	1.2v	v	v	v		v
ADATA	4GB	1Rx8	AD4U2133W4G15-B	SS	SKhynix		CL15	1.2v	v	v	v		v
Apacer	8GB	2Rx8	78.C1GM3.AF10B	DS			CL15	1.2v	v	v			v
Avexir	4GB	1Rx8	AVD4UZ121331504G-4COR	SS	Spectek		15-15-15-35	1.2v	v	v	v		v
			AVD4UZ121331504G-4COB						v	v	v		v
			AVD4UZ121331504G-4COG						v	v	v		v
			AVD4UZ121331504G-4COW						v	v	v		v
			AVD4UZ121331504G-4COY						v	v	v		v
			AVD4UZ121331504G-4COO						v	v	v		v
			AVD4UZ121331504G-4CWW						v	v	v		v
CRUCIAL	4GB	1Rx8	CT4G4DFS8213.C8FAR1	SS	Micron		CL15	1.2v	v	v	v		v
CRUCIAL	4GB	1Rx8	CT4G4WFS8213.9FA1	SS	Micron		CL15	1.2v	v	v	v		v
CRUCIAL	4GB	1Rx8	CT4G4DFS8213.8FA2	SS	Micron			1.2v	v	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		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		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		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		v
KLEVV	8GB	1Rx8	KM4B8GX1N-2133-15-15-15-35-0	SS			15-15-15-35	1.2v	v	v	v		v
KLEVV	16GB	2Rx8	KM4B16X1N-2133-15-15-15-35-0	DS			15-15-15-35	1.2v	v	v	v		v
Team	8GB	2Rx8	TED48GM2133C15BK	DS	SKhynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	v	v	v		v
Team	16GB	2Rx8	TED416G2133C15BK	DS	SKhynix	H5AN4G8NMFR 523V	15-15-15-36	1.2v	v	v	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
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\_1, DDR4\_2** 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\_1, DDR4\_2**插槽以確保更好的相容性

• When running XMP at **DDR4 2667MHz or higher**, the system's stability depends on the CPU's capabilities.  
當執行XMP至**DDR4 2667MHz或更高**, 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。