

Qualified Vendors List (QVL), Model Name: GA-A520I-DASH (Renoir)

Speed	Module Supplier	Density	# of Ranks x DRAM devices	Module P/N	SS/DS	Chip Brand	Chip P/N	Timing	Voltage	Memory Socket		XMP	Native	ECC
										1	2			
3600	Apacer	8GB	1Rx8	78.C2GFH.4020B	SS	Samsung B		18-20-20-38	1.35v	v	v		3200	v
3600	Apacer	16GB	2Rx8	78.D2GFH.4030B	DS	Samsung B		18-20-20-38	1.35v	v	v		3200	
3200	ADATA	8GB	2Rx8	AD4B320038G22-BSSC	DS	Samsung C		22-22-22-52	1.2v	v	v		3200	v
3200	ADATA	8GB	1Rx8	AD4S320088G22-SGN	SS	Micron E		22-22-22-52	1.2v	v	v		3200	
3200	ADATA	8GB	1Rx8	AD4S320088G22-RGN	SS	Micron E		22-22-22-52	1.2v	v	v		3200	
3200	ADATA	8GB	1Rx8	AD4S320088G22-DTGN	SS	Micron E		22-22-22-52	1.2v	v	v		3200	
3200	ADATA	32GB	2Rx8	AD4B3200732G22-BSSA	DS	Samsung A		22-22-22-52	1.2v	v	v		3200	v
3200	ADATA	32GB	2Rx8	AD4S3200732G22-SGN	DS	Micron E		22-22-22-52	1.2v	v	v		3200	
3200	ADATA	32GB	2Rx8	AD4S3200732G22-RGN	DS	Micron E		22-22-22-52	1.2v	v	v		3200	
3200	ADATA	32GB	2Rx8	AD4S3200732G22-BGN	DS	Micron E		22-22-22-52	1.2v	v	v		3200	
3200	BALLISTIX	8GB	1Rx8	BL8G32C16S4B.M8FE1	SS	Micron		CL16	1.35v	v	v	v	3200	
3200	BALLISTIX	16GB	2Rx8	BL16G32C16S4B.M16FE1	DS	Micron		CL16	1.35v	v	v	v	3200	
3200	BALLISTIX	32GB	2Rx8	BL32G32C16S4B.M16FB1	DS	Micron		CL16	1.35v	v	v	v	3200	
3200	Crucial	4GB	1Rx8	CT4G4SFS632A.4FJ1	SS	Micron		CL22	1.2v	v	v		3200	
3200	Crucial	8GB	1Rx8	CT8G4SFS832A.8FE1	SS	Micron		CL22	1.2v	v	v		3200	
3200	Crucial	16GB	2Rx8	CT16G4SFD832A.16FE1	DS	Micron		CL22	1.2v	v	v		3200	
3200	ESSENCORE	8GB	1Rx8	ED48GS88D-32N220E	DS	Micron		22-22-22	1.2v	v	v		3200	
3000	GSkill	16GB	2Rx8	F4-3000C16D-32GRS	DS			16-18-18-43	1.2v	v	v	v	3200	
2800	GSkill	16GB	2Rx8	F4-2800C18D-32GRS	DS			18-18-18-43	1.2v	v	v		3200	
2666	BALLISTIX	8GB	2Rx8	BL8G26C16S4B.8FD	DS	Micron		CL16	1.2v	v	v		3200	
2666	BALLISTIX	16GB	2Rx8	BL16G26C16S4B.16FD	DS	Micron		CL16	1.2v	v	v		3200	
2666	CORSAIR	8GB	2Rx8	CMSX16GX4M2A266C18	DS	Samsung		C18	1.2v	v	v		3200	
2666	Crucial	16GB	2Rx8	CT16G4SFS8266.C8FB	DS			CL19	1.2v	v	v		3200	
2666	GSkill	8GB	2Rx8	F4-2666C18D-16GRS	DS			18-18-18-43	1.2v	v	v		3200	
2666	GSkill	8GB	2Rx8	F4-2666C18S-8GRS	DS			18-18-18-43	1.2v	v	v		3200	
2666	innodisk	2GB	1Rx8	M4S0-2GSVZCIK-D33	SS	Samsung			1.2v	v	v		3200	
2666	innodisk	8GB	1Rx8	M4S0-8GS1NCIK-D33	SS	Samsung			1.2v	v	v		3200	
2666	innodisk	8GB	2Rx8	M4S0-8GSSOICIK-D33	DS	Samsung			1.2v	v	v		3200	
2666	innodisk	16GB	2Rx8	M4S0-AGS1OICIK-D33	DS	Samsung			1.2v	v	v		3200	
2666	Kingston	8GB	2Rx8	KSM26SES8/8ME	DS	Mirco			1.2v	v	v		3200	v
2666	Kingston	16GB	2Rx8	KSM26SED8/16ME	DS	Mirco			1.2v	v	v		3200	v
2666	MEMXPRO	8GB	1Rx8	D4S-8G26H1G8W2	DS	SKHynix	H5AN8G8NCJR	CL19	1.2v	v	v		3200	
2666	MEMXPRO	16GB	2Rx8	D4S-AG26H1G8W2	DS	SKHynix	H5AN8G8NCJR	CL19	1.2v	v	v		3200	
2666	NEO FORZA	8GB	1Rx8	NMSO480E82-2666EA10	SS	SKHynix		CL19	1.2v	v	v		3200	
2666	NEO FORZA	16GB	2Rx8	NMSO416E82-2666EA10	DS	SKHynix		CL19	1.2v	v	v		3200	
2400	Crucial	4GB	1Rx8	CT4G4SFS824A.C8FBR2	SS	Micron		CL17	1.2v	v	v		3200	
2400	Crucial	8GB	2Rx8	CT8G4TFS824A.18FB1	DS	Micron			1.2v	v	v		3200	v
2400	GSkill	8GB	2Rx8	F4-2400C16S-8GRS	DS			16-16-16-39	1.2v	v	v		3200	
2400	HyperX	4GB	1Rx8	HX424S14IBK2/8	SS	SKHynix		14-14-14	1.2v	v	v	v	3200	
2400	HyperX	4GB	1Rx8	HX424S14IB/4	SS	SKHynix		CL14	1.2v	v	v		3200	
2400	HyperX	8GB	2Rx8	HX424S14IBK2/16	DS	SKHynix		14-14-14	1.2v	v	v	v	3200	
2400	HyperX	8GB	2Rx8	HX424S14IB/8	DS	SKHynix		CL14	1.2v	v	v		3200	
2400	HyperX	16GB	2Rx8	HX424S14IB/16	DS	SKHynix		14-14-14	1.2v	v	v	v	3200	
2400	Kingston	4GB	1Rx8	KVR24S17S8/4	SS	Micron		CL17	1.2v	v	v		3200	
2400	Panram	8GB	1Rx8	W4N2400PS-8G	SS			CL15	1.2v	v	v		3200	
2400	Team	4GB	1Rx8	Ti3CFSD4H61188	SS	SKHynix		CL17	1.2v	v	v		3200	
2400	Team	8GB	1Rx8	Ti3DFSD4H61188	SS	SKHynix		CL17	1.2v	v			3200	
2400	Team	16GB	2Rx8	Ti3E6SD4H61189	DS	SKHynix		CL17	1.2v	v	v		3200	
2133	ADATA	4GB	1Rx8	AD4S2133W4G15-B	SS	SKHynix		CL15	1.2v	v	v		3200	
2133	ADATA	8GB	2Rx8	AD4S2133W8G15-B	DS	SKHynix		CL15	1.2v	v	v		3200	
2133	Crucial	4GB	1Rx8	CT4G4SFS8213.8FA2	SS	Micron			1.2v	v	v		3200	
2133	Crucial	8GB	2Rx8	CT8G4SFD8213.16FA2	DS	Micron			1.2v	v	v		3200	
2133	Crucial	8GB	2Rx8	CT8G4TFD8213.18FA1	DS	Micron	4RA77D9RGQ		1.2v	v	v		3200	v
2133	GSkill	4GB	1Rx8	F4-2133C15S-4GRS	SS	SKHynix		15-15-15-36	1.2v	v	v		3200	
2133	GSkill	8GB	2Rx8	F4-2133C15S-8GRS	DS	SKHynix		15-15-15-36	1.2v	v	v		3200	
2133	Kingston	4GB	1Rx8	KCP421SS8/4	SS	Micron		CL15	1.2v	v	v		3200	
2133	Kingston	4GB	1Rx8	KVR21S15S8/4	SS	SKHynix		CL15	1.2v	v	v		3200	
2133	Kingston	8GB	2Rx8	KCP421SD8/8	DS	Micron		CL15	1.2v	v	v		3200	
2133	Kingston	8GB	2Rx8	KVR21S15D8/8	DS	SKHynix		CL15	1.2v	v	v		3200	
2133	Transcend	4GB	1Rx8	TS512MSH64V1H	SS	SKHynix			1.2v	v	v		3200	
2133	Transcend	8GB	2Rx8	TS1GS64V1H	DS	SKHynix			1.2v	v	v		3200	
2133	V-color	8GB	1Rx8	TF48G21S815-IMS	SS			CL15	1.2v	v	v		3200	
2133	Panram	4GB	1Rx8	PZD42133C154GVS	DS	SKHynix	H5AN4G8NMFR		1.2v	v	v		3200	v
2133	Panram	8GB	2Rx8	PZD42133C158GVS	DS	SKHynix	H5AN4G8NMFR		1.2v	v	v		3200	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 3200 MHz or higher**, the system's stability depends on the CPU's capabilities.
 當執行XMP至**DDR4 3200MHz或更高**，系統的穩定性會依據CPU的效率而有所差異

• 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 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。