

Qualified Vendors List (QVL for DDR4 SO-DIMM) ,Model Name : IMB410TN/N

DDR4 3200 (downgrade 2933 & 2666)															
No.	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	Release Date
										1	2				
B4328G-1	BALLISTIX	8GB	1Rx8	BL8G32C16S4B.M8FE1	SS	Micron		CL16	1.35v	v	v	v	2666		2020/4/1
B43216G-1	BALLISTIX	16GB	2Rx8	BL16G32C16S4B.M16FE1	DS	Micron		CL16	1.35v	v	v	v	2666		2020/4/1
CR4324G-1	Crucial	4GB	1Rx8	CT4G4SFS632A.4FJ1	SS	Micron		CL22	1.2v	v	v	v	2933		2019/4/19
CR4328G-1	Crucial	8GB	1Rx8	CT8G4SFS832A.8FE1	SS	Micron		CL22	1.2v	v	v	v	2933		2019/4/19
CR43216G-1	Crucial	16GB	2Rx8	CT16G4SFD832A.16FE1	DS	Micron		CL22	1.2v	v	v	v	2933		2019/4/19
E4328G-1	ESSENCORE	8GB	1Rx8	ED48GS88D-32N220E	DS	Micron		22-22-22	1.2v	v	v	v	2933		2019/10/15
DDR4 3000 (downgrade 2400)															
No.	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	Release Date
										1	2				
G43016G-1	GSkill	16GB	2Rx8	F4-3000C16D-32GRS	DS			16-18-18-43	1.2v	v	v	v	2400		2016/10/31
DDR4 2800 (downgrade 2400)															
No.	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	Release Date
										1	2				
G42816G-1	GSkill	16GB	2Rx8	F4-2800C18D-32GRS	DS			18-18-18-43	1.2v	v	v	v	2400		2016/10/31
DDR4 2666 (部分記憶體 downgrade 2400)															
No.	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	Release Date
										1	2				
B4268G-1	BALLISTIX	8GB	2Rx8	BL8G26C16S4B.8FD	DS	Micron		CL16	1.2v	v	v	v	2400		2020/4/6
B42616G-1	BALLISTIX	16GB	2Rx8	BL16G26C16S4B.16FD	DS	Micron		CL16	1.2v	v	v	v	2400		2020/4/1
CR4264G-1	Crucial	4GB	1Rx8	BLS4G4S26BFS.D.8FBR2	SS			CL19	1.2v	v	N/A	v	2400		2017/5/10
CR42616G-2	Crucial	16GB	2Rx8	CT16G4SFS8266.C8FB	DS			CL19	1.2v	v	v	v	2666		2020/1/9
CR42632G-1	Crucial	32GB	2Rx8	CT32G4SFD8266.16FB2	DS			CL19	1.2v	v	v	v	2666		2019/9/24
G4268G-1	GSkill	8GB	2Rx8	F4-2666C18D-16GRS	DS			18-18-18-43	1.2v	v	v	v	2666		2016/10/31
G4268G-2	GSkill	8GB	2Rx8	F4-2666C18S-8GRS	DS			18-18-18-43	1.2v	v	v	v	2666		2017/12/11
C4268G-1	CORSAIR	8GB	2Rx8	CMSX16GX4M2A266C18	DS	Samsung		C18	1.2v	v	v	v	2666		2016/10/10
I4262G-1	innodisk	2GB	1Rx8	M4S0-2GSVZCIK-D33	SS	Samsung			1.2v	v	v	v	2666		2019/6/6
I4268G-1	innodisk	8GB	1Rx8	M4S0-8GS1NCIK-D33	SS	Samsung			1.2v	v	v	v	2666		2019/6/6
I4268G-2	innodisk	8GB	2Rx8	M4S0-8GSSOCIK-D33	DS	Samsung			1.2v	v	v	v	2666		2019/6/6
I42616G-1	innodisk	16GB	2Rx8	M4S0-AGS1OCIK-D33	DS	Samsung			1.2v	v	v	v	2666		2019/6/6
M4268G-1	MEMXPRO	8GB	1Rx8	D4S-8G26H1G8W2	DS	SKHynix	H5AN8G8NCJR	CL19	1.2v	v	v	v	2666		2019/12/6
M42616G-1	MEMXPRO	16GB	2Rx8	D4S-AG26H1G8W2	DS	SKHynix	H5AN8G8NCJR	CL19	1.2v	v	v	v	2666		2019/12/6
N4268G-1	NEO FORZA	8GB	1Rx8	NMSO480E82-2666EA10	SS	SKHynix		CL19	1.2v	v	v	v	2666		2020/1/9
N42616G-1	NEO FORZA	16GB	2Rx8	NMSO416E82-2666EA10	DS	SKHynix		CL19	1.2v	v	v	v	2666		2020/1/9
DDR4 2400															
No.	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	Release Date
										1	2				
K4244G-1	HyperX	4GB	1Rx8	HX424S14IBK2/8	SS	SKHynix		14-14-14	1.2v	v	v	v	2400		2016/8/31
K4244G-2	Kingston	4GB	1Rx8	KVR24S17S8/4	SS	Micron		CL17	1.2v	v	v	v	2400		2017/11/28
K4244G-3	HyperX	4GB	1Rx8	HX424S14IB/4	SS	SKHynix		CL14	1.2v	v	v	v	2400		2017/12/11
K4248G-1	HyperX	8GB	2Rx8	HX424S14IBK2/16	DS	SKHynix		14-14-14	1.2v	v	v	v	2400		2016/8/31
K4248G-3	HyperX	8GB	2Rx8	HX424S14IB/8	DS	SKHynix		CL14	1.2v	v	v	v	2400		2017/12/11
K42416G-1	HyperX	8GB	2Rx8	HX424S14IB/8	DS	SKHynix		CL14	1.2v	v	v	v	2400		2017/12/11
T4244G-1	Team	4GB	1Rx8	T13CFSD4H61188	SS	SKHynix		CL17	1.2v	v	v	v	2400		2017/12/11
T4248G-1	Team	8GB	1Rx8	T13DFSD4H61188	SS	SKHynix		CL17	1.2v	v	v	v	2400		2017/12/11
T42416G-1	Team	16GB	2Rx8	T13E6SD4H61189	DS	SKHynix		CL17	1.2v	v	v	v	2400		2017/12/11
P4248G-1	Panram	8GB	1Rx8	W4N2400PS-8G	SS			CL15	1.2v	v	v	v	2400		2017/1/28
DDR4 2133															
No.	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	Release Date
										1	2				
A4214G-1	ADATA	4GB	1Rx8	AD4S2133W4G15-B	SS	SKHynix		CL15	1.2v	V	V	V	2133		2017/12/11
A4218G-1	ADATA	8GB	2Rx8	AD4S2133W8G15-B	DS	SKHynix		CL15	1.2v	V	V	V	2133		2017/12/11
CR4214G-1	Crucial	4GB	1Rx8	CT4G4SFS8213.8FA2	SS	Micron		CL15	1.2v	V	V	V	2133		2017/12/11
CR4218G-1	Crucial	8GB	2Rx8	CT8G4SFD8213.16FA2	DS	Micron		CL15	1.2v	V	V	V	2133		2017/12/11
G4214G-1	GSkill	4GB	1Rx8	F4-2133C15S-4GRS	SS	SKHynix		15-15-15-36	1.2v	V	V	V	2133		2017/12/11
G4218G-1	GSkill	8GB	2Rx8	F4-2133C15S-8GRS	DS	SKHynix		15-15-15-36	1.2v	V	V	V	2133		2017/12/11
K4214G-2	Kingston	4GB	1Rx8	KCP421SS8/4	SS	Micron		CL15	1.2v	V	V	V	2133		2016/8/31
K4214G-3	Kingston	4GB	1Rx8	KVR21S15S8/4	SS	SKHynix		CL15	1.2v	V	V	V	2133		2017/12/11
K4218G-1	Kingston	8GB	1Rx8	KVR21S15S8/8	SS	Micron		CL15	1.2v	V	N/A	V	2133		2016/8/31
K4218G-2	Kingston	8GB	2Rx8	KCP421SD8/8	DS	Micron		CL15	1.2v	V	V	V	2133		2016/8/31
K4218G-3	Kingston	8GB	2Rx8	KVR21S15D8/8	DS	SKHynix		CL15	1.2v	V	V	V	2133		2017/12/11
K42116G-1	Kingston	16GB	2Rx8	KVR21S15D8/16	DS	Micron		CL15	1.2v	V	N/A	V	2133		2016/8/31
TR4214G-1	Transcend	4GB	1Rx8	TS512MSH64V1H	SS	SKHynix		CL15	1.2v	V	V	V	2133		2017/12/11
TR4218G-1	Transcend	8GB	2Rx8	TS1GSH64V1H	DS	SKHynix		CL15	1.2v	V	V	V	2133		2017/12/11
V4218G-1	V-color	8GB	1Rx8	TF48G21S815-IMS	SS			CL15	1.2v	V	V	V	2133		2016/9/22

- 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 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，建議您使用相同容量/ 廠牌/ 速度/ 顆粒等之記憶體模組。