

## Qualified Vendors List (QVL)

Memory modules listed below are for reference only. Due to massive memory models on the 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

### Model Name: Z68AP-D3 DDR3 2400 (downgrade to DDR3 2133)

No.	Module Supplier	Size	Module P/N.	SS/DS	Comp. Used	Component P/N.	Single-channel	Dual-channel
GSET24C1	G.SKILL	2GB	F3-19200CL9D-4GBPIS	DS			v	2pcs
GSET24C2	G.SKILL	2GB	F3-19200CL8D-4GBPIS	DS			v	2pcs
CT24C1	CORSAIR	2GB	CMGTX1	DS			v	v

### Model Name: Z68AP-D3 DDR3 2300~2333 (downgrade to DDR3 2133)

No.	Module Supplier	Size	Module P/N.	SS/DS	Comp. Used	Component P/N.	Single-channel	Dual-channel
GSET23C1	G.SKILL	2GB	F3-18400CL8D-4GBPIS	DS			v	v
GSET23C2	G.SKILL	2GB	F3-18400CL8T-6GBPIS	DS			v	2pcs
KET23B1	Kingston	1GB	KHX2333C9D3T1K3/3GX	SS			v	v
KET23C1	Kingston	2GB	KHX2333C9D3T1K2/4GX	DS			v	v

### Model Name: Z68AP-D3 DDR3 2200~2250 (downgrade to DDR3 2133)

No.	Module Supplier	Size	Module P/N.	SS/DS	Comp. Used	Component P/N.	Single-channel	Dual-channel
AET22C2	A-DATA	2GB	AX3U2200GB2G9-DG2	DS			v	v
GSET22C3	G.SKILL	2GB	F3-17600CL7Q-8GBPIS	DS			v	2pcs
GET22C1	GEIL	2GB	GU38GB2200C9QC	DS			v	v
KET22C1	Kingston	2GB	KHX2250C9D3T1K2/4GX	DS			v	v
KMET22C	KingMax	2GB	FLKE85F-B8KJAA-FEIS	DS			v	v

### Model Name: Z68AP-D3 DDR3 2133

No.	Module Supplier	Size	Module P/N.	SS/DS	Comp. Used	Component P/N.	Single-channel	Dual-channel
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<b>GSET21C2</b>	G.SKILL	2GB	F3-17066CL9D-4GBTDS	DS			v	2pcs
<b>KET21C2</b>	Kingston	2GB	KHX2133C9AD3W1K2/4GX	DS			v	v

**Model Name: Z68AP-D3 DDR3 2000 (downgrade to DDR3 1866)**

No.	Module Supplier	Size	Module P/N.	SS/DS	Comp. Used	Component P/N.	Single-channel	Dual-channel
<b>APET20B1</b>	Apacer	1GB	78.0AGCQ.CBZ	SS			v	2pcs
<b>APET20C1</b>	Apacer	2GB	78.AAGCA.CBZ	DS			v	2pcs
<b>APET20C2</b>	Apacer	2GB	78.AAGD5.9KD	DS			v	v
<b>CET20C2</b>	CORSAIR	2GB	CMG4GX3M2A2000C8	DS			v	2pcs
<b>CET20C3</b>	CORSAIR	2GB	CMT6GX3M3A2000C8	DS			v	2pcs
<b>CET20C5</b>	CORSAIR	2GB	CMX6GX3M3A2000C9	DS			v	v
<b>CR20B1</b>	Crucial	1GB	BL12864BE2009.8SFB3	SS			v	v
<b>GET20C1</b>	GEIL	2GB	GE34GB2000C9DC	DS			v	v
<b>GET20C2</b>	GEIL	2GB	GB34GB2000C9DC	DS			v	v
<b>GSET20C3</b>	G.SKILL	2GB	F3-16000CL9T-6GBTD	DS			v	v
<b>GSET20C4</b>	G.SKILL	2GB	F3-16000CL6Q-8GBPIS	DS			v	v
<b>GSET20C5</b>	G.SKILL	2GB	F3-16000CL6T-6GBPIS	DS			v	v
<b>GSET20C6</b>	G.SKILL	2GB	F3-16000CL9D-4GBFLS	DS			v	v
<b>GSET20B1</b>	G.SKILL	1GB	F3-16000CL9T-3GBPI-B	SS			v	2pcs
<b>SET20B1</b>	STAREX	1GB	STH100UD0814-2000A	SS			v	2pcs
<b>TA20B1</b>	Team	1GB	TXD32048M2000HC9	SS			v	v
<b>PAET20C1</b>	PATRIOT	2GB	PVT36G2000LLK	DS			v	v
<b>PA20B1</b>	PATRIOT	1GB	PVS32G2000LLKN	SS			v	v
<b>KET20B1</b>	Kingston	1GB	KHX2000C9AD3T1K3/3GX	SS			v	v
<b>KET20C3</b>	Kingston	2GB	KHX2000C9AD3T1K2/4GX	DS			v	v
<b>KET20C5</b>	Kingston	2GB	KHX2000C9AD3W1K2/4GX	DS			v	v
<b>KET20C6</b>	Kingston	2GB	KHX2000C9AD3W1K3/6GX	DS			v	v
<b>O20C2</b>	OCZ	2GB	OCZ3P20004GK	DS			v	v
<b>O20D1</b>	OCZ	4GB	OCZ3P2000LV8GK	DS			v	v

MU20C1	mushkin	2GB	996696es	DS			v	v
WET20C1	Winchip	2GB	GDF2GB28L100C9	DS			v	v

**Model Name: Z68AP-D3 DDR3 1866**

No.	Module Supplier	Size	Module P/N.	SS/DS	Comp. Used	Component P/N.	Single-channel	Dual-channel
AET186C1	A-DATA	2GB	AX3U1866PB2G8-2P	DS			v	v
CET186C2	CORSAIR	2GB	CMT6GX3M3A1866C9	DS			v	2pcs
GSET186C	G.SKILL	1GB	F3-15000CL9D-4GBRH	DS			v	2pcs
KET186B1	Kingston	1GB	KHX1866C9D3T1K3/3GX	SS			v	v
KET186C1	Kingston	2GB	KHX1866C9D3T1K3/6GX	DS			v	v

**Model Name: Z68AP-D3 DDR3 1800 (downgrade to DDR3 1600)**

No.	Module Supplier	Size	Module P/N.	SS/DS	Comp. Used	Component P/N.	Single-channel	Dual-channel
GSET18C1	G.SKILL	2GB	F3-14400CL6D-4GBFLS	DS			v	v
KET18C1	Kingston	2GB	KHX1800C9D3T1K3/6GX	DS			v	v
O18C1	OCZ	2GB	OCZ3N1800SR4GK	DS			v	v
TET18B1	Transcend	1GB	TX1800KLU-2GK	SS			v	v

**Model Name: Z68AP-D3 DDR3 1600**

No.	Module Supplier	Size	Module P/N.	SS/DS	Comp. Used	Component P/N.	Single-channel	Dual-channel
CET16E5	CORSAIR	8GB	CMZ16GX3M2A1600C9	DS			v	v
A16C3	A-DATA	2GB	AX3U1600GB2G9-2G	DS			v	v
A16D1	A-DATA	4GB	AX3U1600GC4G9-2G	DS			v	v
A16B1	A-DATA	1GB	AX3U1600PB1G8-2P	SS			v	v
CET16B2	CORSAIR	1GB	TR3X3G1600C8D	SS			v	v
C16C1	CORSAIR	2GB	CMD4GX3M2B1600C8	DS			v	v
CET16C4	CORSAIR	2GB	CMD8GX3M4A1600C8	DS			v	v
CET16C6	CORSAIR	2GB	HX3X12G1600C9	DS			v	v
CET16C8	CORSAIR	2GB	CMP4GX3M2A1600C8	DS			v	v

<b>CET16C9</b>	CORSAIR	2GB	CMX6GX3M3A1600C9	DS			v	v
<b>EXET16C2</b>	elixir	2GB	M2Y2G64CB8HA9N-DG	DS			v	v
<b>GET16B1</b>	GEIL	1GB	GV32GB1600C8DC	SS			v	v
<b>GET16C2</b>	GEIL	2GB	GET34GB1600C7DC	DS			v	v
<b>G16C1</b>	GEIL	2GB	GET38GB1600C9QC	DS			v	v
<b>G16C2</b>	GEIL	2GB	GET312GB1600C9HC	DS			v	v
<b>GSET16C2</b>	G.SKILL	2GB	F3-12800CL7D-4GBECO	DS			v	v
<b>GSET16D1</b>	G.SKILL	4GB	F3-12800CL8D-8GBECO	DS			v	v
<b>GSET16D2</b>	G.SKILL	4GB	F3-12800CL9D-8GBRL	DS			v	v
<b>GSET16D3</b>	G.SKILL	4GB	F3-12800CL7D-8GBRH	DS			v	v
<b>KET16C1</b>	Kingston	2GB	KHX1600C9D3K3/6GX	DS			v	v
<b>KET16C2</b>	Kingston	2GB	KHX1600C9D3LK2/4GX	DS			v	v
<b>KET16C3</b>	Kingston	2GB	KHX1600C7D3K2/4GX	DS			v	v
<b>KET16C4</b>	Kingston	2GB	KHX1600C9D3T1K3/6GX	DS			v	v
<b>K16C1</b>	Kingston	2GB	KVR1600D3N11/2G	DS	Kingston	D1288JPNDPLD9U	v	v
<b>K16C1</b>	Kingston	2GB	KHX1600C11D3B1K2/4GX	DS			v	v
<b>KET16D1</b>	Kingston	4GB	KHX1600C9D3K3/12GX	DS			v	v
<b>KMET16B</b>	KingMax	1GB	FLGD45F-B8KG9	SS	KingMax	KFB8FNGXF-ANX	v	v
<b>KMET16C</b>	KingMax	2GB	FLGE85F-B8KG9	DS	KingMax	KFB8FNGXF-ANX	v	v
<b>O16C2</b>	OCZ	2GB	OCZ3G1600LV6GK	DS			v	v
<b>O16C3</b>	OCZ	2GB	OCZ3P1600C9ELV6GK	DS			v	v
<b>OET16C2</b>	OCZ	2GB	OCZ3X1600R2LV6GK	DS			v	v
<b>MU16C1</b>	mushkin	2GB	995659	DS			v	v
<b>PA16B1</b>	PATRIOT	1GB	PVT33G1600ELK	SS			v	v
<b>PA16C1</b>	PATRIOT	2GB	PGS34G1600LLKA	DS			v	v
<b>STET16C1</b>	SUPER TALENT	2GB	WP160UX4G8	DS			v	v
<b>STET16C2</b>	SUPER TALENT	2GB	WP160UX4G9	DS			v	v
<b>TAET16C1</b>	Team	2GB	TXD36144M1600HC8TC-D	DS			v	v
<b>TAET16C2</b>	Team	2GB	TXD32048M1600HC8-D	DS			v	v

W16B1	Winchip	1GB	GDF1GB18L150C9	SS			v	v
WET16C1	Winchip	2GB	GDF2GB18L125C8-6GK	DS			v	v

**Model Name: Z68AP-D3 DDR3 1333**

No.	Module Supplier	Size	Module P/N.	SS/DS	Comp. Used	Component P/N.	Single-channel	Dual-channel
A13B1	A-DATA	1GB	SU3U1333B1G9-B	SS	Hynix	H5TQ1G83TFR H9C	v	v
A13D1	A-DATA	4GB	SU3U1333C4G9-B	DS	Hynix	H5TQ2G83AFR H9C	v	v
AP13C4	Apacer	2GB	78.A1GC6.9L1	DS	Apacer	AM5D5808FEQSBG	v	v
C13C2	CORSAIR	2GB	CMX8GX3M4A1333C9	DS			v	v
C13C3	CORSAIR	2GB	CMV4GX3M2A1333C9	SS			v	v
C13C4	CORSAIR	2GB	CMX6GX3M3A1333C9	DS			v	v
C13C5	CORSAIR	2GB	CMX6GX3M3A1333C8	DS			v	v
CR13B1	Crucial	1GB	CT12864BA1339.8FF	SS	Micron	9AF22D9KPT	v	v
CO13C1	COS	2GB	EXME02G-DD3N-1333D90-	DS			v	v
EX13C4	elixir	2GB	M2F2G64CB88B7N-CG	SS	elixir	N2CB2G80BN-CG	v	v
EX13D1	elixir	4GB	M2F4G64CB8HB5N-CG	DS	elixir	N2CB2G80BN-CG	v	v
GS13D1	G.SKILL	4GB	F3-10666CL9D-8GBRL	DS			v	v
GSET13D1	G.SKILL	4GB	F3-10666CL7D-8GBRH	DS			v	v
H13C2	Hynix	2GB	HMT325U6BFR8C-H9	SS	Hynix	H5TQ2G83BFR H9C	v	v
H13D1	Hynix	4GB	HMT351U6BFR8C-H9	DS	Hynix	H5TQ2G83BFR H9C	v	v
K13C5	Kingston	2GB	KHX1333C9D3UK2/4GX	DS			v	v
KM13C2	KingMax	2GB	FLFE85F-C8KM9	SS	KingMax	KFC8FNMXF-BXX-15A	v	v
KM13D1	KingMax	4GB	FLFF65F-C8KM9	DS	KingMax	KFC8FNMXF-BXX-15A	v	v
M13C1	Micron	2GB	MT16JTF25664AY	DS	Micron	8HD22D9JNM	v	v
O13B1	OCZ	1GB	OCZ3P13332GK	DS			v	v
O13C3	OCZ	2GB	OCZ3P1333LV4GK	DS			v	v
O13C5	OCZ	2GB	OCZ3P1333LV6GK	DS			v	v
O13C7	OCZ	2GB	OCZ3V1333LV6GK	DS			v	v
O13C8	OCZ	2GB	OCZ3P1333C9ELV4GK	DS			v	v

O13D1	OCZ	4GB	OCZ3G1333LV8GK	DS			v	v
PS13B1	PSC	1GB	AL7F8G73D-DG1	SS	PSC	A3P1GF3DGF928M9B05	v	v
PS13C1	PSC	2GB	AL8F8G73D-DG1	DS	PSC	A3P1GF3DGF928M9B05	v	v
S13B1	Samsung	1GB	M378B2873FHS-CH9	SS	Samsung	K4B1G0846F HCH9	v	v
S13C1	Samsung	2GB	M378B5673FHO-CH9	DS	Samsung	K4B1G0846F HCH9	v	v
S13D1	Samsung	4GB	M378B5273CHO-CH9	DS	Samsung	K4B2G0846C HCH9	v	v
SP13B1	S-POWER	1GB	SP001GBLTU133S02	SS	S-POWER	10YT3N0 0919	v	v
SP13C1	S-POWER	2GB	SP002GBLTU133S02	DS	S-POWER	10YT3N0 0919	v	v
PA13C1	PATRIOT	2GB	PGS34G1333LLKA	DS			v	v
T13C1	Transcend	2GB	TS256MLK64V3U	DS	Micron	9ND22 D9JNM	v	v
T13C2	Transcend	2GB	TS256MLK64V3U	DS	Hynix	H5TQ1G83AFP H9C	v	v
T13C3	Transcend	2GB	JM1333KLU-2G	DS	Transcend	TK243EAF3	v	v
TM13A1	TwinMOS	512MB	8HCBJU-ED	SS	Elpida	J5308BASE-DG-E	v	v
TA13C1	Team	2GB	TED32048M1333HC9	DS			v	v
W13B1	Winchip	1GB	GDF1GB68L150C9	DS	Winchip	AHI648EES-13K	v	v
W13D1	Winchip	4GB	GDF4GB28L150C9-24GK	DS			v	v
	Model Name: Z68AP-D3 DDR3 1066							
<b>No.</b>	<b>Module Supplier</b>	<b>Size</b>	<b>Module P/N.</b>	<b>SS/DS</b>	<b>Comp. Used</b>	<b>Component P/N.</b>	<b>Single-channel</b>	<b>Dual-channel</b>
B10A1	BUFFALO	512MB	D3U1066-S512	SS	Elpida	J5308AASE-AC-E	v	v
EX10C3	elixir	2GB	M2Y2G64CB8HC9N-BE	DS			v	v
H10C2	Hynix	2GB	HMT125U6AFP8C-G7N0	DS	Hynix	H5TQ1G83AFP	v	v
K10B1	Kingston	1GB	KVR1066D3N7/1G	SS	Kingston	D1288JEKAPGA7U	v	v
K10C1	Kingston	2GB	KVR1066D3N7/2G	DS	Kingston	D1288JEKAPGA7U	v	v
K10D1	Kingston	4GB	KVR1066D3N7/4G	DS	Samsung	K4B2G0846B HCF8	v	v
P10B1	PATRIOT	1GB	PSD31G106681	SS	Micron	7GB12 Z9HWQ	v	v
S10D1	Samsung	4GB	M378B5273BH1-CF8	DS	Samsung	K4B2G0846B HCF8	v	v

T10B1	Transcend	1GB	TS128MLK64V1U	SS	Samsung	K4B1G0846D HCF8	v	v
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**Model Name: Z68AP-D3 DDR3 800**

No.	Module Supplier	Size	Module P/N.	SS/DS	Comp. Used	Component P/N.	Single-channel	Dual-channel
H8B1	Hynix	1GB	HYMT112U64ZNF8-S6 AA	DS	Hynix	HY5TQ1G831ZN F-S6	v	v
H8C1	Hynix	2GB	HYMT125U64ZNF8-S5 AA	DS	Hynix	HY5TQ1G831ZN F-S5	v	v