

## Intel Z97 4DIMM Module

### DDR3 1067 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
Crucial	CT25664BA1067.16FF	2GB	DS	Micron	9HF22D9KPT	7	-	•	•	•
ELPIDA	EBJ21UE8EDFO-AE-F	2GB	DS	ELPIDA	J1108BDESE-DJ-F	-	1.35V (low voltage)	•	•	•
KINGSTON	KVR1066D3N7/2G	2GB	DS	ELPIDA	J1108BFSE-DJ-F	-	1.5V	•	•	•
G.SKILL	F3-8500CL6D-2GBHK	1GB	SS	G.SKILL	N/A	-	1.5V	•	•	•
ELIXIR	N/A	2GB	DS	N/A	N/A	7	1.5V	•	•	•
KINGSTON	KVR1066D3N7/2G	2GB	DS	ELPIDA	N/A	-	1.5V	•	•	•

### DDR3 1333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
SMART	SH5126UD325893HE	4GB	DS	SEC 343 BYKO	K4B2GO8460	9-9-9-24-33	1.5V	•	•	•
SMART	SH5126UD325893SQ	4GB	DS	SEC 343 BYKO	K4B2GO8460	9-9-9-24-33	1.5V	•	•	•
KINGSTON	KVR1333D3N9/4G	4GB	DS	KTC	D2568JENCNGD9U	9-9-9-24-33	1.5V	•	•	•
HMD	HMD302U0648S1B9C-MEX	2GB	SS	ERTH	256X8DDR3 WT	-	1.5V	•	•	•
CORSAIR	CMY8GX3M2A1600C9	4GB	SS	-	-	9-9-9-24	1.50V	•	•	•
CORSAIR	CMV8GX3M1A1600C11	8GB	DS	CORSAIR	512M8DDLGPSBO381311	-	-	•	•	•
MUSHKIN	PC3-10666	4GB	SS	N/A	Heat-Sink Package	9-9-9-24	1.50V	•	•	•
MUSHKIN	PC3-10600	2GB	SS	SEC 410 HC15	K4W2GO846P	-	1.50V	•	•	•
G.SKILL	F3-1333C9D-16GISL	8G	DS	N/A	Heat-Sink Package	9-9-9-24	1.35V	•	•	•

### DDR3 1600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
G.SKILL	F3-1600C11D-16GISL	8G	DS	ELPIDA	J4208EFBG-GNL-F	-	1.35V	•	•	•
KINGSTON	HX316C10F/4	4GB	SS	N/A	Heat-Sink Package	-	1.5V	•	•	•
KINGSTON	HX316C10F/4	8GB	DS	N/A	Heat-Sink Package	-	1.5V	•	•	•
TEAM	TED38G1600C11BK	8G	SS	TEAM	T3D10248HT-16	-	1.5V	•	•	•
AVEXIR	AVD3U16001108G-1LW	8G	DS	HYNIX	H5TQ4G83MFR	-	1.35V	•	•	•
AVEXIR	AVD3U16001104G-1LW	4G	SS	SEC 431 BYKO	K4B4G0846D	-	1.35V	•	•	•
SK HYNIX	HMT41GU6BFR8A-PB NO AA	8GB	DS	SK HYNIX	H5T4GB3BFR	11-11-28-39	1.35V	•	•	•
V-COLOR	TD8G8C11-H11D	8G	SS	V-COLOR	8GBHY-16CD	-	1.5V	•	•	•
CORSAIR	CMZ16GX3M4X1600C9G	4G	SS	N/A	Heat-Sink Package	9-9-9-24	XMP 1.35V	•	•	•
G.SKILL	F3-12800CL9Q-16GBSR1	4G	DS	N/A	Heat-Sink Package	9-9-9-24	1.35V	•	•	•
KINGSTON	6820986	2G	SS	NANYA	NT5CC256M16CP-DI	11-11-11-28	1.35V	•	•	•
TEAM	TED3L8G1600C11BK	8G	DS	TEAM	T3D5128HT-16	-	1.35V	•	•	•
APOTPO	L3A4G*2-16C8DA	4G	DS	APOTPO	CA32G0BE3D-13BL	-	1.35V	•	•	•
Silicon Power	SP004GLLTU160N01	4G	SS	NANYA	NT5CB512M8CN-DI	-	1.35V	•	•	•
Silicon Power	SP008GLLTU160N01	8G	DS	NANYA	NT5CB512M8CN-DI	-	1.35V	•	•	•
Silicon Power	SP004GLLTU160N01	4G	SS	NANYA	NT5CB512M8CN-DI	-	1.35V	•	•	•
Silicon Power	SP008GLLTU160N02	8G	DS	SP	3L4085HLBE	-	1.35V	•	•	•

### DDR3 1866 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
CORSAIR	CMZ16GX3M2A1866C10(Ver4.21)	8GB	DS	-	-	10-11-10-30	1.50V	•	•	•
G.SKILL	F3-14900CL9Q-16GBZL(XMP1.3)	16GB (4GB x4)	DS	-	-	9-10-9-28	1.5V	•	•	•
KINGSTON	KHX18C9T2K2/8X	8GB (2x 4GB)	DS	N/A	N/A	9-9-9-24-33	1.65	•	•	•
PATRIOT	PV138G1866C9KPD000326	4GB	DS	-	-	-	1.5V	•	•	•
TEAM	TED38G1866C13BK	8GB	DS	HYNIX	H5TQ4G83AFY	13-13-13-31	1.5V	•	•	•
AVEXIR	AVD3U0904G-4C1	4GB	SS	N/A	N/A	11-11-11-28-39	1.65V	•	•	•
AVEXIR	AVD3U0908G-4C1	8GB	DS	N/A	N/A	11-11-11-28-39	1.5V	•	•	•
AVEXIR	AVD3U18661108G-1LW	8G	DS	HYNIX	H5TQ4G83MFR	-	1.35V	•	•	•
AVEXIR	AVD3U18661104G-1LW	4G	SS	SEC 431 BYKO	K4B4G0846D	-	1.35V	•	•	•
MUSHKIN	PC3L-14900	8G	DS	N/A	Heat-Sink Package	11-11-11-27	XMP 1.35V	•	•	•

### DDR3 2000 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
CORSAIR	CMZ4GX3M2A2000C10(XMP)	4GB(2 x 2GB)	SS	-	-	10-10-10-27	1.50V	•	•	•
G.SKILL	F3-16000CL6T-6GBPIS(XMP)	6GB (3x 2GB)	DS	-	-	6-9-6-24	1.65V	•	•	•
KINGSTON	KHX2000C9AD3T1K2/4GX(XMP)	4GB (2x 2GB)	DS	-	-	-	1.65V	•	•	•
Asint	SLA302G08-ML2HB(XMP)	4GB	DS	HYNIX	H5TQ2G83BFR H9C	-	1.5V-1.65V	•	•	•
AVEXIR	AVD3U20000904G-4C1	4GB	SS	N/A	Heat-Sink Package	9-9-9-28-39	1.65V	•	•	•
AVEXIR	AVD3U20000908G-4C1	8GB	DS	N/A	Heat-Sink Package	9-9-9-28-39	1.65V	•	•	•

### DDR3 2133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
CORSAIR	CMZ8GX3M2A2133C11(Ver4.21)	4GB	SS	-	-	11-11-11-27	1.50V	•	•	•
CORSAIR	CMT16GX3M4X2133C9(XMP 1.3)	16GB (4GB x4)	DS	-	-	9-11-10-27	1.50V	•	•	•
CORSAIR	CMT4GX3M2A2133C9(XMP)	4GB(2x 2GB)	DS	-	-	9-10-9-24	1.65V	•	•	•
CORSAIR	CMT4GX3M2B2133C9(XMP)	4GB(2x 2GB)	DS	-	-	9-10-9-27	1.50V	•	•	•
CORSAIR	CMD8GX3M2B2133C9(Ver5.12)	4GB	DS	-	-	9-11-11-31	1.65V	•	•	•
CORSAIR	CMD16GX3M2B2133C9(XMP)	8GB (4GB x2)	DS	-	-	9-11-9-27	1.65V	•	•	•
G.SKILL	F3-17000CL9Q-16GBZL(XMP1.3)	16GB (4GB x4)	DS	-	-	9-11-10-28	1.65V	•	•	•
GEIL	GE34GB2133C9DC(XMP)	2GB	DS	-	-	9-9-9-28	1.65V	•	•	•
KINGSTON	KHX2133C9AD3T2K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	9-11-9-27	1.65V	•	•	•
KINGSTON	KHX2133C9AD3T1K4/8GX(XMP)	8GB(4 x 2GB)	DS	-	-	9-11-9-27	1.65V	•	•	•
AMD	AG316G2130U1S(XMP)	4GB	SS	-	-	10-11-11-30	1.65V	•	•	•
AMD	AP38G2133U2K	4GB	DS	-	-	11-12-11-30	1.65V	•	•	•
KINGSTON	KHX21C11T2K2/8X	8GB (2x 4GB)	SS	N/A	N/A	11-11-11-28-39	1.6V	•	•	•
G.SKILL	F3-2133C10D-16GAB	8GB	DS	N/A	N/A	10-12-12-31	1.6V	•	•	•
AVEXIR	AVD3U21330908G-4B21	8GB	DS	N/A	N/A	-	1.65V	•	•	•
AVEXIR	AVD3U21330908G-4B21	4GB	SS	N/A	N/A	-	1.65V	•	•	•
AVEXIR	AVD3U21331104G-4C1	4GB	SS	N/A	N/A	-	1.5V	•	•	•
AVEXIR	AVD3U21331108G-4C1	8GB	DS	N/A	N/A	-	1.5V	•	•	•
AVEXIR	AVD3U21331308G-1LW	8G	DS	HYNIX	H5T4G83MFR	-	1.35V	•	•	•
AVEXIR	AVD3U21331304G-1LW	4G	SS	SEC 431 BYKO	K4B4G0846D	-	1.35V	•	•	•
GALAXY	HOF3B213311B8G2C(XMP1.5)	4G	SS	N/A	N/A	10-11-11-30	1.65V	•	•	•

### DDR3 2200 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
GEIL	GET34GB2200C9DC(XMP)	2GB	DS	-	-	9-10-9-28	1.65V	•	•	•
GEIL	GET38GB2200C9ADC(XMP)	4GB	DS	-	-	9-11-9-28	1.65V	•	•	•
KINGMAX	FLKE85F-B8KJAA-FEIS(XMP)	2GB	DS	-	-	-	1.5V	•	•	•

### DDR3 2250 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
KINGSTON	KHX2250C9D3T1K2/4GX(XMP)	4GB (2x 2GB)	DS	-	-	-	1.65V	•	•	•

### DDR3 2400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
CORSAIR	CMD16GX3M2A2400C9(Ver4.21)	8GB	DS	-	-	10-12-12-31	1.65V	•	•	•
G.SKILL	F3-2400C10D-8GT(XMP)	8GB(2x 4GB)	SS	-	-	10-12-12-31	1.65V	•	•	•
G.SKILL	F3-19200CL11Q-16GBZHD(XMP1.3)	16GB (4GB x4)	DS	-	-	11-11-11-31	1.65V	•	•	•
KINGSTON	KHX2400C11D3K4/8GX(XMP)	8GB(4GBx2)	SS	-	-	-	1.65V	•	•	•
KINGSTON	KHX24C11T2K2/8X(XMP)	4GB	DS	-	-	-	1.65V	•	•	•
PATRIOT	PVV34G2400C9K(XMP)	4GB(2x 2GB)	DS	-	-	9-11-9-27	1.65V	•	•	•
G.SKILL	F3-2400C11D-8GRS	4GB	DS	N/A	N/A	11-11-13-31	1.65V	•	•	•
AVEXIR	AVD3U24001008G-4B21	8GB	DS	N/A	N/A	-	1.65V	•	•	•
AVEXIR	AVD3U24001004G-4B21	4GB	SS	N/A	N/A	-	1.65V	•	•	•
AVEXIR	AVD3U24001104G-4C1	4GB	SS	N/A	N/A	-	1.65V	•	•	•
AVEXIR	AVD3U24001108G-4C1	8GB	DS	N/A	N/A	-	1.65V	•	•	•
TEAM	TLD38G2400HC11CBK	8GB	DS	-	-	11-13-13-35	1.65V	•	•	•

### DDR3 2600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
G.SKILL	F3-2600CL10Q-16GBZMD(XMP)	16GB(4x 4GB)	DS	-	-	10-12-12-31	1.65V	•	•	•
G.SKILL	F3-2600CL11Q-32GBZHD(XMP)	32GB(8GBX4)	DS	-	-	11-13-13-35	1.65V	•	•	•

<b>G.SKILL</b>	F3-2666C11Q-16GTXD(XMP)	16GB(4GBx4)	DS	-	-	11-13-13-35	1.65V	●	●	●
<b>AVEXIR</b>	AVD3U26661204G-4CI	8GB	SS	N/A	N/A		1.65V	●	●	
<b>AVEXIR</b>	AVD3U26661208G-4CI	8GB	DS	N/A	N/A		1.65V	●	●	●
<b>AVEXIR</b>	AVD3U26661104G-4BZ1	4GB	SS	N/A	N/A		1.65V	●	●	●
<b>AVEXIR</b>	AVD3U26661108G-4BZ1	8GB	DS	N/A	N/A		1.65V	●	●	●

**DDR3 2800 Qualified Vendors List (QVL)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>G.SKILL</b>	F3-2800C11Q-16GTXD(XMP)	16GB(4GBx4)	DS	-	-	11-13-13-35	1.65V	●	●	
<b>ADATA</b>	AX3U2800W4G12-DGV	4GB	SS	-	-	12-12-14-36	1.65V	●	●	●
<b>ADATA</b>	AX3U2800W8G12-DGV	8GB	DS	-	-	12-12-14-36	1.65V	●	●	●
<b>AVEXIR</b>	AVD3UH28001204G-4BZ1	4GB	SS	-	-		1.65V	●	●	●
<b>AVEXIR</b>	AVD3UH28001208G-4BZ1	8GB	DS	N/A	N/A		1.65V	●	●	●

**DDR3 2933 Qualified Vendors List (QVL)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>G.SKILL</b>	F3-2933C12Q-16GTDGX	4GB	SS	-	-	12-14-14-35	1.65V	●	●	●

**DDR3 3000 Qualified Vendors List (QVL)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>G.SKILL</b>	F3-3000C12Q-16GTDGX	4GB	SS	-	-		1.65V	●	●	●

**DDR3 3100 Qualified Vendors List (QVL)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>AVEXIR</b>	AVD3UH31001204G-2CIR	4GB	SS	-	-		1.65V	●		

**4 DIMM Slots**

- **1 DIMM:** Supports one module inserted in any slot as Single-channel memory configuration
- **2 DIMM:** Supports one pair of modules inserted into either the **blue** slots or the **black** slots as one pair of Dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into both the **blue** and **black** slots as two pairs of Dual-channel memory configuration

-When installing total memory of 4GB capacity or more, Windows 32-bit operation system may only recognize less than 3GB. Hence, a total installed memory of less than 3GB is recommended.

-It is recommended to install the memory modules from the slots for better overclocking capability.

-The default DIMM frequency depends on its Serial Presence Detect (SPD), which is the standard way of accessing information from a memory module. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value.