

## Z77 Series

### 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
Transcend	8G DDR3 1333 DIMM CL9	8GB	DS	Transcend	E207X8B0643Y	-	-	•	•	•
Transcend	8G DDR3 1333 DIMM CL9	8GB	DS	-	N/A	-	-	•	•	•
Asint	SLA304G08-EDJ1B	4GB	SS	Asint	304G08-DJ1B1301	-	-	•	•	•

### 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
APACER	8GB UNB PC3-12800 CL11	8GB	DS	APACER	AM5D6008BQQSCK	-	-	•	•	•
PSC	AL9F8L93B-GN2E	4GB	SS	PSC	XHP284C3G-M	-	-	•	•	•
Transcend	8G DDR3 1600 DIMM CL11	8GB	DS	SEC 222 HYKO	6MD9639W	-	-	•	•	•
Transcend	8G DDR3 1600 DIMM CL11	8GB	DS	Transcend	E223X8B0648S	-	-	•	•	•
APACER	4GB UNB PC3-12800 CL11	4GB	SS	APACER	AM5D6008BQQSCK	-	-	•	•	•
G.SKILL	F3-12800CL10S-8GBXL(XMP)	8GB	DS	-	-	10-10-10-30	-	•	•	•
Team	TED38G1600HC11BK	8GB	DS	-	-	11-11-11-28	-	•	•	•
KINGSTON	KVR16N11/4(Low Profile)	4GB	DS	KINGSTON	D2568GEROPGGBU	-	1.5V	•	•	•
KINGSTON	KHX16C10B1K2/16X(XMP)	8GB	DS	-	-	-	1.5V	•	•	•
KINGSTON	KHX16C9P1K2/16(XMP)	8GB	DS	-	-	-	1.5V	•	•	•
PSC	AL9F8L93B-GN2E	4GB	SS	PSC	XHP284C3G-M	-	-	•	•	•
PSC	ALAF8L93B-GN2E	8GB	DS	PSC	XHR425C3G-M	-	-	•	•	•
Elixr	M2P2G64CB8HC9N-DG	2GB	DS	-	-	-	-	•	•	•
MICRON	MT8JTF51264AZ-1G6E1	4GB	SS	MICRON	D9QBJ	-	-	•	•	•
MICRON	MT16JTF1G64AZ-1G6E1	8GB	DS	MICRON	D9QBJ	-	-	•	•	•
Transcend	TS512MLK64W6H	4GB	SS	SEC 234 HYKO	K4B4G08468	-	-	•	•	•
Transcend	TS1GLK64W6H	8GB	DS	SEC 234 HYKO	K4B4G08468	-	-	•	•	•
ADATA	AX3U1600GW8G9	16GB ( 2x 8GB )	DS	-	-	9-9-9-24	1.5V	•	•	•
ADATA	AX3U1600W8G11	16GB ( 2x 8GB )	DS	-	-	11-11-11-28	1.5V	•	•	•
ADATA	AXDU1600GW8G9B	16GB ( 2x 8GB )	DS	-	-	11-11-11-28	1.5V	•	•	•
Asint	SLA304G08-ENG1B	4GB	SS	Asint	304G08-GN1B1301	-	-	•	•	•
Asint	SLB304G08-EGJ1B	8GB	DS	-	-	-	-	•	•	•
PATRIOT	PV332G160C9QK	8GB	DS	-	-	-	1.5V	•	•	•

### 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
CRUCIAL	BLT4G3D1869DT1TX0.13FKD(XMP)	4GB	DS	-	-	9-9-9-27	1.5V	•	•	•
CRUCIAL	BLT4G3D1869DT2TXOB.16FMR(XMP)	4GB	DS	-	-	9-9-9-27	1.5V	•	•	•
Team	TLD34G1866H9KBK	4GB	DS	-	-	9-11-9-27	1.5V	•	•	•
Team	TLD38G1866HC10SBK	8GB	DS	-	-	10-11-10-30	1.5V	•	•	•
AMD	AP38G1869U2K	8GB(4GBx2)	DS	-	-	9-10-9-27	1.5V	•	•	•
KINGSTON	KHX18C10T3K4/32X	8GB	DS	-	-	-	1.5V	•	•	•
ADATA	AX3U1866XW8G10	16GB ( 2x 8GB )	DS	-	-	10-11-10-30	1.5V	•	•	•
PATRIOT	PV138G186C9KPD000326	4GB	DS	-	-	-	1.5V	•	•	•

### 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
G.SKILL	F3-17000CL11Q2-64GBZLD(XMP)	8GB	DS	-	-	11-11-11-31	1.5V	•	•	•
G.SKILL	F3-2133C11Q-32GBZL(XMP)	8GB	DS	-	-	11-11-11-31	1.5V	•	•	•
Team	TLD38G2133HC11ABK	8GB	DS	-	-	11-11-11-31	1.65V	•	•	•
KINGSTON	KHX21C11T3K4/32X	8GB	DS	-	-	-	1.65V	•	•	•
ADATA	AX3U2133XW8G10	16GB ( 2x 8GB )	DS	-	-	10-11-11-30	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
G.SKILL	F3-19200CL 10Q-32GBZHD(XMP)	8GB	DS	-	-	10-12-12-31	1.65V	•	•	•
Team	TXD38G2400HC10QBK	8GB	DS	-	-	10-12-12-31	1.65V	•	•	•
KINGSTON	KHX24C11T2K2/8X(XMP)	4GB	DS	-	-	-	1.65V	•	•	•
ADATA	AX3U2400GW8G11	16GB ( 2x 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
ADATA	AX3U2600GW8G11	16GB ( 2x 8GB )	DS	-	-	11-13-13-35	1.65V	•	•	•

### DDR3 2666 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	CMD16GX3M4A2666C11 (XMP)	4GB	DS	-	-	11-13-13-35	1.65V	•	•	•
Team	TXD34G2666HC11CBK	8GB ( 2x 4GB )	SS	-	-	11-13-13-35	1.65V	•	•	•
Team	TXD38G2666HC11CBK	16GB ( 2x 8GB )	DS	-	-	11-13-13-35	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
CORSAIR	CMD16GX3M4A2800C12 (XMP)	4GB	DS	-	-	12-14-14-36	1.65V	•	•	•
G.SKILL	F3-2800C11Q-16GTDX(XMP)	16GB(4GBx4)	DS	-	-	11-13-13-35	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 **blue** 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.