

## P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

## DDR3 2800(O.C.) MHz capability

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
G.skill	F3-2800CL11Q-16GBZHD	16GB ( 4x 4GB )	DS	-	-	11-13-13-35	1.65	•	•	•

\* The 2800Mhz memory modules above are supported by this motherboard; however, the actual frequency support varied depending on the O.C. margin of the installed CPU.

\* Due to Intel® 2nd generation processors' behavior, DDR3 2200 and above/2000/1800 MHz memory module will run at DDR3 2133/1866/1600 MHz frequency as default.

4 DIMM :

• 1 DIMM: Supports one module inserted in any slot as Single-channel memory configuration

We suggest that you install the module into A2 slot for better stability.

• 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

We suggest that you install the module into A2B2 slot for better stability.

• 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 overlocking 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 overlocking may operate at a lower frequency than the vendor-marked value.

## P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

## DDR3 2666(O.C.) MHz capability

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
AVEXIR	AVD3U26661104G-4CI	16GB ( 4x 4GB )	DS	-	-	11-13-13-35	1.65	•	•	•
CORSAIR	CMD16GX3M4A2666C10	16GB ( 4x 4GB )	DS	-	-	10-12-12-31	1.65	•	•	•
G.SKILL	F3-2666CL10Q-16GBZHD	16GB ( 4x 4GB )	DS	-	-	10-12-12-31	1.65	•	•	•
G.SKILL	F3-2666CL11Q-32GTXD	32GB (8x 4GB)	DS	-	-	11-13-13-35	1.65	•	•	•
GEIL	GOC316GB2666C11DC	16GB ( 4x 4GB )	DS	-	-	11-13-13-32	1.65	•	•	•
GEIL	GOC332GB2666C11QC	32GB (8x 4GB)	DS	-	-	11-13-13-32	1.65	•	•	•

\* The 2666Mhz memory modules above are supported by this motherboard; however, the actual frequency support varied depending on the O.C. margin of the installed CPU.

\* Due to Intel® 2nd generation processors' behavior, DDR3 2200 and above/2000/1800 MHz memory module will run at DDR3 2133/1866/1600 MHz frequency as default.

4 DIMM :

• 1 DIMM: Supports one module inserted in any slot as Single-channel memory configuration

We suggest that you install the module into A2 slot for better stability.

• 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

We suggest that you install the module into A2B2 slot for better stability.

• 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 overlocking 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 overlocking may operate at a lower frequency than the vendor-marked value.

## P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

## DDR3 2600(O.C.) MHz capability

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
G.skill	F3-20800CL10-16GBZMD(XMP)	16GB ( 4x 4GB )	DS	-	-	10-12-12-28	1.65	•	•	•
G.skill	F3-2600CL11Q-32GBZHD	32GB(4x8GB)	DS	-	-	11-13-13-35	1.65	•	•	•

\* The 2600Mhz memory modules above are supported by this motherboard; however, the actual frequency support varied depending on the O.C. margin of the installed CPU.

\* Due to Intel® 2nd generation processors' behavior, DDR3 2200 and above/2000/1800 MHz memory module will run at DDR3 2133/1866/1600 MHz frequency as default.

4 DIMM :

• 1 DIMM: Supports one module inserted in any slot as Single-channel memory configuration

We suggest that you install the module into A2 slot for better stability.

• 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

We suggest that you install the module into A2B2 slot for better stability.

• 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 overlocking 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 overlocking may operate at a lower frequency than the vendor-marked value.

## P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

## DDR3 2500(O.C.) MHz capability

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
G.Skill	F3-20000CL10Q-16GBZHD(XMP)	16GB ( 4x 4GB )	DS	-	-	10-11-11-31	1.65	•	•	•

\* The 2500Mhz memory modules above are supported by this motherboard; however, the actual frequency support varied depending on the O.C. margin of the installed CPU.

\* Due to Intel® 2nd generation processors' behavior, DDR3 2200 and above/2000/1800 MHz memory module will run at DDR3 2133/1866/1600 MHz frequency as default.

4 DIMM :

• 1 DIMM: Supports one module inserted in any slot as Single-channel memory configuration

We suggest that you install the module into A2 slot for better stability.

• 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

We suggest that you install the module into A2B2 slot for better stability.

• 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 overlocking 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 overlocking may operate at a lower frequency than the vendor-marked value.

## P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

## DDR3 2400(O.C.) MHz capability

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
CORSAIR	CMGTX3(XMP)	2GB	DS	-	-	9-11-9-27	1.65	•	•	•
G.SKILL	F3-19200CL10Q-32GBZHD(XMP)	32GB ( 4x 8GB )	DS	-	-	10-12-12-31	1.65	•	•	•
G.SKILL	F3-19200CL11Q-16GBZHD(XMP)	16GB ( 4x 4GB )	DS	-	-	11-11-11-31	1.65	•	•	•
G.SKILL	F3-19200CL9D-4GBPIS(XMP)	4G ( 2x 2G )	DS	-	-	9-11-9-28	1.65	•	•	•
G.SKILL	F3-19200CL9Q-16GBZMD(XMP)	16GB ( 4x 4GB )	DS	-	-	9-11-11-31	1.65	•	•	•
GEIL	GOC316GB2400C10QC(XMP)	16GB ( 4x 4GB )	DS	-	-	10-11-11-30	1.65	•	•	•
GEIL	GOC316GB2400C11QC(XMP)	16GB ( 4x 4GB )	DS	-	-	11-11-11-30	1.65	•	•	•
Kingston	KHX2400C11D3K4/8GX(XMP)	8GB ( 4x 2GB )	SS	-	-	11-13-11-30	1.65	•	•	•
Patriot	PVV34G2400C9K(XMP)	4GB ( 2x 2GB )	DS	-	-	9-11-9-27	1.66	•	•	•
Transcend	TX2400KLU-4GK (381850)(XMP)	2GB	DS	-	-	-	1.65	•	•	•

\* The 2400Mhz memory modules above are supported by this motherboard; however, the actual frequency support varied depending on the O.C. margin of the installed CPU.

\* Due to Intel® 2nd generation processors' behavior, DDR3 2200 and above/2000/1800 MHz memory module will run at DDR3 2133/1866/1600 MHz frequency as default.

4 DIMM :

• 1 DIMM: Supports one module inserted in any slot as Single-channel memory configuration

We suggest that you install the module into A2 slot for better stability.

• 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

We suggest that you install the module into A2B2 slot for better stability.

• 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.

### P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

#### DDR3 2200(O.C.) MHz capability

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>	F3-17600CL7D-4GBFLS(XMP)	4G ( 2x 2G )	DS	-	-	7-10-10-28	1.65	•	•	•
<b>GBIL</b>	GET34GB2200C9DC(XMP)	4GB ( 2x 2GB )	DS	-	-	9-10-9-28	1.65	•	•	•
<b>GEIL</b>	GET38GB2200C9ADC(XMP)	8GB ( 2x 4GB )	DS	-	-	9-11-9-28	1.65	•	•	•
<b>KINGMAX</b>	FLKE85F-B8KJAA-FEIS(XMP)	4GB ( 2x 2GB )	DS	Kingmax	N/A	-	-	•	•	•

\* The 2200Mhz memory modules above are supported by this motherboard; however, the actual frequency support varied depending on the O.C. margin of the installed CPU.

\* Due to Intel® 2nd generation processors' behavior, DDR3 2200 and above/2000/1800 MHz memory module will run at DDR3 2133/1866/1600 MHz frequency as default.

4 DIMM :

- **1 DIMM** : Supports one module inserted in any slot as Single-channel memory configuration  
**We suggest that you install the module into A2 slot for better stability.**
- **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  
**We suggest that you install the module into A2B2 slot for better stability.**
- **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.

### P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

#### DDR3 2133(O.C.) MHz capability

	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>A-DATA</b>	AX3U2133C2G9B(XMP)	2GB	SS	-	-	9-11-9-27	1.55~1.75	•	•	•
<b>A-DATA</b>	AX3U2133GC2G9B(XMP)	2GB	SS	-	-	9-9-9-24	1.55-1.75	•	•	•
<b>A-DATA</b>	AX3U2133GC4G9B(XMP)	16GB ( 4x 4GB )	DS	-	-	9-11-9-27	1.65	•	•	•
<b>Apacer</b>	78.BACE4.AFD0C(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	-	•	•	•
<b>CORSAIR</b>	CMT4GX3M2A2133C9(XMP)	4GB ( 2x 2GB )	DS	-	-	9-10-9-24	1.65	•	•	•
<b>CORSAIR</b>	CMT4GX3M2B2133C9(Ver7.1)(XMP)	4GB ( 2x 2GB )	DS	-	-	9-9-9-24	1.5	•	•	•
<b>CORSAIR</b>	CMT4GX3M2B2133C9(XMP)	4GB ( 2x 2GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>CORSAIR</b>	CMD8GX3M2A2133C9	8GB ( 2x 4GB )	DS	-	-	9-11-10-27	1.5	•	•	•
<b>G.SKILL</b>	F3-17000CL11Q2-64GBZLD(XMP)	64GB ( 8x 8GB )	DS	-	-	11-11-11-30	1.5	•	•	•
<b>G.SKILL</b>	F3-17000CL9Q-16GBXLD(XMP)	16GB ( 4x 4GB )	DS	-	-	9-11-9-28	1.65	•	•	•
<b>G.SKILL</b>	F3-17000CL9Q-16GBZH(XMP)	16GB ( 4x 4GB )	DS	-	-	9-11-10-28	1.65	•	•	•
<b>G.SKILL</b>	F3-17066CL9D-8GBPID(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.65	•	•	•
<b>G.SKILL</b>	F3-17066CL9Q-16GBTDD(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-24	1.65	•	•	•
<b>KINGSTON</b>	KHX2133C11D3K4/16GX(XMP)	16GB ( 4x 4GB )	DS	-	-	11-12-11-30	1.65	•	•	•
<b>OCZ</b>	OCZ3XTEP2133C9LV4GK	2GB	DS	-	-	7-7-7-20	1.65	•	•	•
<b>Patriot</b>	PVV34G2133C9K(XMP)	4GB ( 2x 2GB )	DS	-	-	9-11-9-27	1.66	•	•	•

4 DIMM :

- **1 DIMM** : Supports one module inserted in any slot as Single-channel memory configuration  
**We suggest that you install the module into A2 slot for better stability.**
- **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  
**We suggest that you install the module into A2B2 slot for better stability.**
- **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.

### P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

#### DDR3 2000(O.C.) MHz capability

	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>A-DATA</b>	AX3U2000GB2G9B(XMP)	2GB	DS	-	-	9-11-9-27	1.55~1.75	•	•	•
<b>A-DATA</b>	AX3U2000GC4G9B(XMP)	4GB	DS	-	-	9-11-9-27	1.55~1.75	•	•	•
<b>AEXEA</b>	AXA3ES2C2000LG28V(XMP)	2GB	DS	-	-	-	1.65	•	•	•
<b>AEXEA</b>	AXA3ES4GK2000LG28V(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65	•	•	•
<b>Apacer</b>	78.AAGD5.9KD(XMP)	6GB(3x 2GB)	DS	-	-	9-9-9-27	-	•	•	•
<b>Asint</b>	SLA302G08-ML2HB(XMP)	4GB	DS	Hynix	H5TQ2G83BFRH9C	9-9-9-27	-	•	•	•
<b>CORSAIR</b>	CMT6GX3M3A2000C8(XMP)	6GB ( 3x 2GB )	DS	-	-	8-9-8-24	1.65	•	•	•
<b>CORSAIR</b>	CMZ4GX3M2A2000C10(Ver 5.12)(XMP)	4GB ( 2x 2GB )	SS	-	-	10-10-10-27	1.5	•	•	•
<b>G.SKILL</b>	F3-16000CL9D-4GBRH(XMP)	4GB(2x 2GB)	DS	-	-	9-9-9-24	1.65	•	•	•
<b>G.SKILL</b>	F3-16000CL9D-4GBTD(XMP)	4GB(2x 2GB)	DS	-	-	9-9-9-24	1.65	•	•	•
<b>GEIL</b>	GUP34GB2000C9DC(XMP)	4GB ( 2x 2GB )	DS	-	-	9-9-9-28	1.65	•	•	•
<b>Gingle</b>	FA3URSS673A801A	2GB	DS	-	-	9-9-9-24	-	•	•	•
<b>Patriot</b>	PV736G2000ELK(XMP)	6GB ( 3x 2GB )	DS	-	-	7-7-7-20	1.65	•	•	•
<b>Patriot</b>	PX7312G2000ELK(XMP)	12GB ( 3x 4GB )	DS	-	-	9-11-9-27	1.65	•	•	•
<b>Silicon Power</b>	SP002GBLYU200S02(XMP)	2GB	DS	-	-	-	-	•	•	•
<b>Team</b>	TXD32048M2000C9(XMP)	2GB	DS	Team	T3D1288RT-20	9-9-9-24	1.5	•	•	•
<b>Team</b>	TXD32048M2000C9-L(XMP)	2GB	DS	Team	T3D1288RT-20	9-9-9-24	1.6	•	•	•
<b>Transcend</b>	TX2000KLN-8GK (388375)(XMP)	4GB	DS	-	-	-	1.6	•	•	•

4 DIMM :

- **1 DIMM** : Supports one module inserted in any slot as Single-channel memory configuration  
**We suggest that you install the module into A2 slot for better stability.**
- **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  
**We suggest that you install the module into A2B2 slot for better stability.**
- **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.

### P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

#### DDR3 1866(O.C.) MHz capability

	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>A-DATA</b>	AX3U1866GC2G9B(XMP)	2GB	SS	-	-	9-11-9-27	1.55~1.75	•	•	•
<b>A-DATA</b>	AX3U1866GC4G9B(XMP)	4GB	DS	-	-	9-11-9-27	1.55~1.75	•	•	•
<b>CORSAIR</b>	CMT32GX3M4X1866C9(Ver3.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>CORSAIR</b>	CMZ32GX3M4X1866C10(Ver3.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	10-11-10-27	1.5	•	•	•
<b>CORSAIR</b>	CMZ8GX3M2A1866C9(XMP)	8GB ( 2x 4GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>CORSAIR</b>	CMD8GX3M2A1866C9(XMP)(Ver 8.16)	8GB ( 2x 4GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>CORSAIR</b>	CMD16GX3M4A1866C9(XMP)	16GB ( 4x 4GB )	DS	-	-	9-10-9-27	1.5	•	•	•

<b>Crucial</b>	BLE4G3D1869DE1XT0.16FMD(XMP)	4GB	DS	-	-	-	9-9-9-27	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL10Q2-64GBZLD(XMP)	64GB ( 8x 8GB )	DS	-	-	-	10-11-10-30	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL9D-8GBSR(XMP)	8GB ( 2x 4GB )	DS	-	-	-	9-10-9-28	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL9Q-16GBXL(XMP)	16GB ( 4x 4GB )	DS	-	-	-	9-10-9-28	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL9Q-16GBZL(XMP)	16GB ( 4x 4GB )	DS	-	-	-	9-10-9-28	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL9Q-8GBFLD(XMP)	8GB ( 2x 4GB )	DS	-	-	-	9-9-9-24	1.6	•	•	•
<b>Patriot</b>	PXD34G1866ELK(XMP)	4GB ( 2x 2GB )	SS	-	-	-	9-9-9-24	1.65	•	•	•
<b>Patriot</b>	PXD38G1866ELK(XMP)	8GB ( 2x 4GB )	DS	-	-	-	9-11-9-27	1.65	•	•	•
<b>Team</b>	TXD34096M1866HC9K-L(XMP)	4GB	DS	Hynix	H5TC2G83BFRH9A	-	9-11-9-27	1.65	•	•	•

4 DIMM :

- **1 DIMM** : Supports one module inserted in any slot as Single-channel memory configuration  
We suggest that you install the module into A2 slot for better stability.
- **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  
We suggest that you install the module into A2B2 slot for better stability.
- **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.

### P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

#### DDR3 1800(O.C.) MHz capability

	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>	F3-14400CL9D-4GBRL(XMP)	4GB(2 x 2GB)	DS	-	-	-	9-9-9-24	1.6	•	•	•

4 DIMM :

- **1 DIMM** : Supports one module inserted in any slot as Single-channel memory configuration  
We suggest that you install the module into A2 slot for better stability.
- **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  
We suggest that you install the module into A2B2 slot for better stability.
- **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.

### P8Z77-V PREMIUM Motherboard Qualified Vendors Lists (QVL)

#### DDR3 1600MHz capability

	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)			
								1 DIMM	2 DIMM	4 DIMM	
<b>A-DATA</b>	AM2U16BC2P1	2GB	SS	A-DATA	3CCD-1509A	-	-	•	•	•	
<b>A-DATA</b>	AM2U16BC4P2	4GB	DS	A-DATA	3CCD-1509A	-	-	•	•	•	
<b>A-DATA</b>	AX3U1600PC4GB(XMP)	4GB	DS	-	-	8-8-8-24	1.55-1.75	•	•	•	
<b>AMD</b>	AE32G160U1-U	2GB	SS	AMD	23EY4587MB6H	-	1.5	•	•	•	
<b>AMD</b>	AE34G160U2-U	4GB	DS	AMD	23EY4587MB6H	-	1.5	•	•	•	
<b>AMD</b>	AP38G1608U2K(XMP)	8GB ( 2x 4GB )	DS	-	-	-	9-9-9-28	1.65	•	•	•
<b>Apacer</b>	78.B1GE3.9L10C	4GB	DS	Apacer	AM5D5908DEQSK	-	1.65	•	•	•	
<b>Apacer</b>	AHU04GFA60C9Q1D(XMP)	4GB	DS	-	-	-	9-9-9-27	1.65	•	•	•
<b>Asint</b>	SLA302G08-EGG1C(XMP)	4GB	DS	Asint	302G08-GG1C	-	9-9-9-27	-	•	•	•
<b>Asint</b>	SLA302G08-EGJ1C(XMP)	4GB	DS	Asint	302G08-GJ1C	-	9-9-9-27	-	•	•	•
<b>Asint</b>	SLB304G08-EGN1B	8GB	DS	Asint	304G08-GN1B	-	-	-	•	•	•
<b>Asint</b>	SLZ3128M8-EGJ1D(XMP)	2GB	DS	Asint	3128M8-GJ1D	-	-	-	•	•	•
<b>ATP</b>	AQ12M64B8BKOS	4GB	DS	SAMSUNG	K4B2G08460	-	NO	-	•	•	•
<b>CORSAIR</b>	CMG4GX3M2A1600C6	4GB ( 2x 2GB )	DS	-	-	-	6-6-6-18	1.65	•	•	•
<b>CORSAIR</b>	CML16GX3M4X1600C8(Ver 2.12)(XMP)	16GB ( 4x 4GB )	DS	-	-	Heat-Sink Package	-	1.5	•	•	•
<b>CORSAIR</b>	CMP6GX3M3A1600C8(XMP)	6GB ( 3x 2GB )	DS	-	-	-	8-8-8-24	1.65	•	•	•
<b>CORSAIR</b>	CMP6GX3M3A1600C8(XMP)	6GB ( 3x 2GB )	DS	-	-	-	8-8-8-24	1.65	•	•	•
<b>CORSAIR</b>	CMX6GX3M3C1600C7(XMP)	6GB ( 3x 2GB )	DS	-	-	-	7-8-7-20	1.65	•	•	•
<b>CORSAIR</b>	CMZ16GX3M4A1600C9(XMP)	16GB ( 4x 4GB )	DS	-	-	-	9-9-9-24	1.5	•	•	•
<b>CORSAIR</b>	CMZ32GX3M4X1600C10 (Ver.2.2)(XMP)	32GB ( 4x 8GB )	DS	-	-	-	10-10-10-27	1.5	•	•	•
<b>CORSAIR</b>	CMZ8GX3M2A1600C8(XMP)	8GB ( 2x 4GB )	DS	-	-	-	8-8-8-24	1.5	•	•	•
<b>CORSAIR</b>	CMZ8GX3M2A1600C9(XMP)	8GB ( 2x 4GB )	DS	-	-	-	9-9-9-24	1.5	•	•	•
<b>CORSAIR</b>	CMZ8GX3M4X1600C9(Ver 2.12)(XMP)	8GB ( 4x 2GB )	SS	-	-	-	9-9-9-24	1.5	•	•	•
<b>CORSAIR</b>	HX3X12G1600C9(XMP)	12GB ( 6x 2GB )	DS	-	-	-	9-9-9-24	1.6	•	•	•
<b>CORSAIR</b>	CMD8GX3M2A1600C8	8GB ( 2x 4GB )	DS	-	-	-	8-8-8-24	1.5	•	•	•
<b>Crucial</b>	BL12864BN1608.8FF(XMP)	2GB( 2x 1GB )	SS	-	-	-	8-8-8-24	1.65	•	•	•
<b>Crucial</b>	BLT4G3D1608DT1TX0.16FM(XMP)	4GB	DS	-	-	-	8-8-8-24	1.5	•	•	•
<b>EK Memory</b>	EKM324L28BP8-I16(XMP)	4GB( 2x 2GB )	DS	-	-	-	9	-	•	•	•
<b>EK Memory</b>	EKM324L28BP8-I16(XMP)	4GB( 2x 2GB )	DS	-	-	-	9	-	•	•	•
<b>Elixir</b>	M2X2G64CB88G7N-DG(XMP)	2GB	SS	Elixir	N2CB2G80GN-DG	-	9-9-9-28	-	•	•	•
<b>Elixir</b>	M2X4G64CB88G8N-DG(XMP)	4GB	DS	Elixir	N2CB2G80GN-DG	-	9-9-9-28	-	•	•	•
<b>Elixir</b>	M2X8G64CB88G8N-DG(XMP)	8GB	DS	Elixir	N2CB4G80BN-DG	-	9-9-9-28	1.5	•	•	•
<b>G.SKILL</b>	F3-12800CL7D-8GBRH(XMP)	8GB ( 2x 4GB )	DS	-	-	-	7-8-7-24	1.6	•	•	•
<b>G.SKILL</b>	F3-12800CL7Q-16GBXH(XMP)	16GB ( 4x 4GB )	DS	-	-	-	7-8-7-24	1.6	•	•	•
<b>G.SKILL</b>	F3-12800CL8D-8GBECO(XMP)	8GB ( 2x4GB )	DS	-	-	-	8-8-8-24	1.35	•	•	•
<b>G.SKILL</b>	F3-12800CL9D-8GBRL(XMP)	8GB ( 2x 4GB )	DS	-	-	-	9-9-9-24	1.5	•	•	•
<b>G.SKILL</b>	F3-12800CL9D-8GBSR2(XMP)	8GB ( 2x 4GB )	DS	-	-	-	9-9-9-24	1.25	•	•	•
<b>G.SKILL</b>	F3-12800CL9Q-16GBXL(XMP)	16GB ( 4x 4GB )	DS	-	-	-	9-9-9-24	1.5	•	•	•
<b>G.Skill</b>	F3-12800CL9Q-16GBZL(XMP)	16GB ( 4x 4GB )	DS	-	-	-	9-9-9-24	1.5	•	•	•
<b>GEIL</b>	GET316GB1600C9QC(XMP)	16GB ( 4x 4GB )	DS	-	-	-	9-9-9-28	1.6	•	•	•
<b>GEIL</b>	GUP34GB1600C7DC(XMP)	4GB ( 2x 2GB )	DS	-	-	-	7-7-7-24	1.6	•	•	•
<b>GoodRam</b>	GR1600D364L9/2G	2GB	DS	GoodRam	GF1008KC-JN	-	-	-	•	•	•
<b>Hynix</b>	HMT351U6CFR8C-PB	4GB	DS	Hynix	H5TQ2G83CFR	-	-	-	•	•	•
<b>Hynix</b>	HMT41GU6MFR8C-PB	8GB	DS	Hynix	H5TQ4G83MFR	-	-	-	•	•	•
<b>KINGMAX</b>	FLGE85F-C8KL9A(XMP)	2GB	SS	KINGMAX	N/A	-	9-9-9-28	-	•	•	•
<b>KINGMAX</b>	FLGF65F-C8KL9A(XMP)	4GB	DS	KINGMAX	N/A	-	9-9-9-28	-	•	•	•
<b>KINGSTON</b>	KHX1600C9D3K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	-	1.65	•	•	•
<b>KINGSTON</b>	KHX1600C9D3K3/12GX(XMP)	12GB ( 3x 4GB )	DS	-	-	-	9	1.65	•	•	•
<b>KINGSTON</b>	KHX1600C9D3K3/12GX(XMP)	12GB( 3x 4GB )	DS	-	-	-	-	1.65	•	•	•
<b>KINGSTON</b>	KHX1600C9D3K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	-	9	1.65	•	•	•
<b>KINGSTON</b>	KHX1600C9D3K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	-	9	1.65	•	•	•
<b>KINGSTON</b>	KHX1600C9D3K6/24GX(XMP)	24GB ( 6x 4GB )	DS	-	-	-	9	1.65	•	•	•
<b>Kingston</b>	KHX1600C9D3K8/32GX(XMP)	32GB ( 8x 4GB )	DS	-	-	-	9-9-9-27	1.65	•	•	•
<b>KINGSTON</b>	KHX1600C9D3L2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	-	1.35	•	•	•
<b>KINGSTON</b>	KHX1600C9D3P1K2/8G	8GB ( 2x 4GB )	DS	-	-	-	9	1.5	•	•	•
<b>KINGSTON</b>	KHX1600C9D3T1BK3/12GX(XMP)	12GB ( 3x 4GB )	DS	-	-	-	9	1.65	•	•	•
<b>KINGSTON</b>	KHX1600C9D3T1K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	-	9	1.65	•	•	•
<b>KINGSTON</b>	KHX1600C9D3X2K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	9	1.65	•	•	•
<b>Kingston</b>	KVR16N11/4	4G	DS	Hynix	H5TQ2G83CFR9PBC	-	-	1.5	•	•	•



<b>Patriot</b>	PGS34G1333LLKA	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.7	•	•
<b>Patriot</b>	PG38G1333EL(XMP)	8GB	DS	-	-	-	1.5	•	•
<b>RIDATA</b>	C304627CB1AG22Fe	2GB	DS	RIDATA	C304627CB1AG22Fe	9	-	•	•
<b>RIDATA</b>	E304459CB1AG32Cf	4GB	DS	RIDATA	E304459CB1AG32Cf	9	-	•	•
<b>Silicon Power</b>	SP001GBLTE133S01	1GB	SS	NANYA	NT5CB128M8AN-CG	-	-	•	•
<b>Silicon Power</b>	SP001GBLTU133S02	1GB	SS	S-POWER	10YT3E5	9	-	•	•
<b>Silicon Power</b>	SP002GBLTU133V02	2GB	SS	S-POWER	20YT3NG	9-9-9-24	-	•	•
<b>Silicon Power</b>	SP002GBLTE133S01	2GB	DS	NANYA	NT5CB128M8AN-CG	-	-	•	•
<b>Silicon Power</b>	SP004GBLTU133V02	4GB	DS	S-POWER	20YT3NG	9-9-9-24	-	•	•
<b>Team</b>	TXD31024M1333C7(XMP)	1GB	SS	Team	T3D1288LT-13	7-7-7-21	1.75	•	•
<b>Team</b>	TXD31048M1333C7-D(XMP)	1GB	SS	Team	T3D1288LT-13	7-7-7-21	1.75	•	•
<b>Team</b>	TXD32048M1333C7-D(XMP)	2GB	DS	Team	T3D1288LT-13	7-7-7-21	1.5-1.6	•	•
<b>Team</b>	TED34096M1333HC9	4GB	DS	Team	T3D2568LT-13	-	-	•	•

4 DIMM :

- **1 DIMM:** Supports one module inserted in any slot as Single-channel memory configuration  
**We suggest that you install the module into A2 slot for better stability.**
- **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  
**We suggest that you install the module into A2B2 slot for better stability.**
- **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.