

**P8Z77-V PRO Memory Qualified Vendors List (QVL)**

**P8Z77-V PRO 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    | •                              | •      | •      |
| Team    | TXD38192M2600HC10QDC-L(XMP) | 16GB ( 4x 4GB ) | DS    | -          | -        | 10-12-12-31 | 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 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 PRO 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   | CMGTX8(XMP)                 | 8GB ( 4x 2GB )  | SS    | -          | -        | 10-12-10-30 | 1.65    | •                              | •      | •      |
| CORSAIR   | CMGTX3(XMP)                 | 2GB             | DS    | -          | -        | 9-11-9-27   | 1.65    | •                              | •      | •      |
| G.Skill   | F3-19200CL11Q-16GBZHD(XMP)  | 16GB ( 4x 4GB ) | DS    | -          | -        | 11-11-11-31 | 1.65    | •                              | •      | •      |
| G.Skill   | F3-19200CL9Q-16GBZMD(XMP)   | 16GB ( 4x 4GB ) | DS    | -          | -        | 9-11-11-31  | 1.65    | •                              | •      | •      |
| G.SKILL   | F3-19200CL9D-4GBPIS(XMP)    | 4G ( 2x 2G )    | DS    | -          | -        | 9-11-9-28   | 1.65    | •                              | •      | •      |
| Kingston  | KHX2400C11D3K4/8GX(XMP)     | 8GB ( 4x 2GB )  | SS    | -          | -        | 11-13-11-30 | 1.65    | •                              | •      | •      |
| Transcend | TX2400KLU-4GK (381850)(XMP) | 2GB             | DS    | -          | -        | -           | 1.65    | •                              | •      | •      |
| Transcend | TX2400KLU-4GK(374243)(XMP)  | 2GB             | DS    | -          | -        | -           | 1.65    | •                              | •      | •      |
| Patriot   | PVV34G2400C9K(XMP)          | 4GB ( 2x 2GB )  | DS    | -          | -        | 9-11-9-27   | 1.66    | •                              | •      | •      |

\* 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 PRO 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 |
| G.SKILL | F3-17600CL7D-4GBFLS(XMP) | 4G ( 2x 2G )   | DS    | -          | -        | 7-10-10-28 | 1.65    | •                              | •      | •      |
| GEIL    | GET34GB2200C9DC(XMP)     | 4GB ( 2x 2GB ) | DS    | -          | -        | 9-10-9-28  | 1.65    | •                              | •      | •      |
| GEIL    | GET38GB2200C9ADC(XMP)    | 8GB ( 2x 4GB ) | DS    | -          | -        | 9-11-9-28  | 1.65    | •                              | •      | •      |
| KINGMAX | 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.
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-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 PRO Motherboard Qualified Vendors Lists (QVL)**

**DDR3 2133(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 |
| A-DATA   | 8154A 1044(XMP)               | 2GB             | SS    | -          | -        | 9-9-9-24   | 1.55-1.75 | •                              | •      | •      |
| A-DATA   | AX3U2133C2G9B(XMP)            | 2GB             | SS    | -          | -        | 9-11-9-27  | 1.55-1.75 | •                              | •      | •      |
| A-DATA   | AX3U2133C2G9B(XMP)            | 2GB             | SS    | -          | -        | 9-9-9-24   | 1.55-1.75 | •                              | •      | •      |
| Apacer   | 78.BAGE4.AF.D0C(XMP)          | 8GB ( 2x 4GB )  | DS    | -          | -        | 9-9-9-24   | -         | •                              | •      | •      |
| CORSAIR  | CMT4GX3M2A2133C9(XMP)         | 4GB ( 2x 2GB )  | DS    | -          | -        | 9-10-9-24  | 1.65      | •                              | •      | •      |
| CORSAIR  | CMT4GX3M2B2133C9(Ver7.1)(XMP) | 4GB ( 2x 2GB )  | DS    | -          | -        | 9-9-9-24   | 1.5       | •                              | •      | •      |
| CORSAIR  | CMT4GX3M2B2133C9(XMP)         | 4GB ( 2x 2GB )  | DS    | -          | -        | 9-10-9-27  | 1.5       | •                              | •      | •      |
| G.SKILL  | F3-17000CL9Q-16GBXLD(XMP)     | 16GB ( 4x 4GB ) | DS    | -          | -        | 9-11-9-28  | 1.65      | •                              | •      | •      |
| G.Skill  | F3-17000CL9Q-16GBZH(XMP)      | 16GB ( 4x 4GB ) | DS    | -          | -        | 9-11-10-28 | 1.65      | •                              | •      | •      |
| G.SKILL  | F3-17066CL9Q-16GBTDD(XMP)     | 16GB ( 4x 4GB ) | DS    | -          | -        | 9-9-9-24   | 1.65      | •                              | •      | •      |
| G.SKILL  | F3-17066CL9D-8GBPID(XMP)      | 8GB ( 2x 4GB )  | DS    | -          | -        | 9-9-9-24   | 1.65      | •                              | •      | •      |
| KINGSTON | KHX2133C9AD3T1K2/4GX(XMP)     | 4GB ( 2x 2GB )  | DS    | -          | -        | -          | 1.65      | •                              | •      | •      |
| KINGSTON | KHX2133C9AD3T1K2/4GX(XMP)     | 4GB ( 2x 2GB )  | DS    | -          | -        | 9          | 1.65      | •                              | •      | •      |
| KINGSTON | KHX2133C9AD3W1K2/4GX(XMP)     | 4GB ( 2x 2GB )  | DS    | -          | -        | 9          | 1.65      | •                              | •      | •      |
| KINGSTON | KHX2133C9AD3X2K2/4GX(XMP)     | 4GB ( 2x 2GB )  | DS    | -          | -        | 9          | 1.65      | •                              | •      | •      |
| KINGSTON | KHX2133C9AD3X2K2/4GX(XMP)     | 4GB ( 2x 2GB )  | DS    | -          | -        | 9-9-9-24   | 1.65      | •                              | •      | •      |
| KINGSTON | KHX2133C9AD3T1FK4/8GX(XMP)    | 8GB ( 4x 2GB )  | DS    | -          | -        | 9          | 1.65      | •                              | •      | •      |
| OCZ      | OCZ3XTEP2133C9L4GK            | 2GB             | DS    | -          | -        | 7-7-7-20   | 1.65      | •                              | •      | •      |
| Patriot  | 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  
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We suggest that you install the module into A2B2 slot for better stability.
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-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.

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**P8Z77-V PRO 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 |
| A-DATA        | AX3U2000GB2G9B(XMP)         | 2GB             | DS    | -          | -            | 9-11-9-27 | 1.55~1.75 | •                              | •      | •      |
| A-DATA        | AX3U2000GC4G9B(XMP)         | 4GB             | DS    | -          | -            | 9-11-9-27 | 1.55~1.75 | •                              | •      | •      |
| Apacer        | 78.AAGD5.9KD(XMP)           | 6GB(3 x 2GB)    | DS    | -          | -            | 9-9-9-27  | -         | •                              | •      | •      |
| CORSAIR       | CMT6GX3M3A2000C8(XMP)       | 6GB ( 3x 2GB )  | DS    | -          | -            | 8-9-8-24  | 1.65      | •                              | •      | •      |
| G.SKILL       | F3-16000CL9D-4GBRH(XMP)     | 4GB(2 x 2GB)    | DS    | -          | -            | 9-9-9-24  | 1.65      | •                              | •      | •      |
| G.SKILL       | F3-16000CL9D-4GBTD(XMP)     | 4GB(2 x 2GB)    | DS    | -          | -            | 9-9-9-24  | 1.65      | •                              | •      | •      |
| GEIL          | GUP34GB2000C9DC(XMP)        | 4GB ( 2x 2GB )  | DS    | -          | -            | 9-9-9-28  | 1.65      | •                              | •      | •      |
| KINGSTON      | KHX2000C9AD3T1K3/6GX(XMP)   | 6GB ( 3x 2GB )  | DS    | -          | -            | 9         | 1.65      | •                              | •      | •      |
| Transcend     | TX2000KLN-8GK (388375)(XMP) | 4GB             | DS    | -          | -            | -         | 1.6       | •                              | •      | •      |
| AEXEA         | AXA3ES4GK2000L28V(XMP)      | 4GB ( 2x 2GB )  | DS    | -          | -            | -         | 1.65      | •                              | •      | •      |
| Patriot       | PX7312G2000ELK(XMP)         | 12GB ( 3x 4GB ) | DS    | -          | -            | 9-11-9-27 | 1.65      | •                              | •      | •      |
| Patriot       | PV736G2000ELK(XMP)          | 6GB ( 3x 2GB )  | DS    | -          | -            | 7-7-7-20  | 1.65      | •                              | •      | •      |
| Silicon Power | SP002GBLYU2000S02(XMP)      | 2GB             | DS    | -          | -            | -         | -         | •                              | •      | •      |
| Team          | TXD32048M2000C9(XMP)        | 2GB             | DS    | Team       | T3D1288RT-20 | 9-9-9-24  | 1.5       | •                              | •      | •      |
| Team          | TXD32048M2000C9-L(XMP)      | 2GB             | DS    | Team       | T3D1288LT-20 | 9-9-9-24  | 1.5       | •                              | •      | •      |
| Team          | TXD32048M2000C9-L(XMP)      | 2GB             | DS    | Team       | T3D1288RT-20 | 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.**
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**We suggest that you install the module into A2B2 slot for better stability.**
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-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 PRO 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 |
| A-DATA  | AX3U1866GC2G9B(XMP)      | 2GB             | SS    | -          | -        | 9-11-9-27 | 1.55~1.75 | •                              | •      | •      |
| A-DATA  | AX3U1866GC4G9B(XMP)      | 4GB             | DS    | -          | -        | 9-11-9-27 | 1.55~1.75 | •                              | •      | •      |
| CORSAIR | CMT32GX3M4X1866C9(XMP)   | 32GB ( 4x 8GB ) | DS    | -          | -        | 9-10-9-27 | 1.5       | •                              | •      | •      |
| CORSAIR | CM28GX3M2A1866C9(XMP)    | 8GB ( 2x 4GB )  | DS    | -          | -        | 9-10-9-27 | 1.5       | •                              | •      | •      |
| G.SKILL | F3-14900CL9Q-16GBXL(XMP) | 16GB ( 4x 4GB ) | DS    | -          | -        | 9-10-9-28 | 1.5       | •                              | •      | •      |
| G.SKILL | F3-14900CL9D-8GBSR(XMP)  | 8GB ( 2x 4GB )  | DS    | -          | -        | 9-10-9-28 | 1.5       | •                              | •      | •      |
| G.SKILL | F3-14900CL9Q-8GBFLD(XMP) | 8GB ( 2x 4GB )  | DS    | -          | -        | 9-9-9-24  | 1.6       | •                              | •      | •      |
| Patriot | PXD34G1866ELK(XMP)       | 4GB ( 2x 2GB )  | SS    | -          | -        | 9-9-9-24  | 1.65      | •                              | •      | •      |
| Patriot | PXD38G1866ELK(XMP)       | 8GB ( 2x 4GB )  | DS    | -          | -        | 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 PRO 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 |
| G.SKILL | 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 PRO 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 |
| A-DATA  | AM2U16BC2P1              | 2GB             | SS    | A-DATA     | 3CCD-1509A | -        | -         | •                              | •      | •      |
| A-DATA  | AM2U16BC4P2              | 4GB             | DS    | A-DATA     | 3CCD-1509A | -        | -         | •                              | •      | •      |
| A-DATA  | AX3U1600GC4G9(XMP)       | 4GB             | DS    | -          | -          | -        | 1.55~1.75 | •                              | •      | •      |
| A-DATA  | AX3U1600PC4G8(XMP)       | 4GB             | DS    | -          | -          | 8-8-8-24 | 1.55~1.75 | •                              | •      | •      |
| A-DATA  | AX3U1600XC4G79(XMP)      | 4GB             | DS    | -          | -          | 7-9-7-21 | 1.65      | •                              | •      | •      |
| CORSAIR | HX3X12G1600C9(XMP)       | 12GB ( 6x 2GB ) | DS    | -          | -          | 9-9-9-24 | 1.6       | •                              | •      | •      |
| CORSAIR | CM216GX3M4A1600C9(XMP)   | 16GB ( 4x 4GB ) | DS    | -          | -          | 9-9-9-24 | 1.5       | •                              | •      | •      |
| CORSAIR | CMG4GX3M2A1600C6         | 4GB ( 2x 2GB )  | DS    | -          | -          | 6-6-6-18 | 1.65      | •                              | •      | •      |
| CORSAIR | CMP6GX3M3A1600C8(XMP)    | 6GB ( 3x 2GB )  | DS    | -          | -          | 8-8-8-24 | 1.65      | •                              | •      | •      |
| CORSAIR | CMP6GX3M3A1600C8(XMP)    | 6GB ( 3x 2GB )  | DS    | -          | -          | 8-8-8-24 | 1.65      | •                              | •      | •      |
| CORSAIR | CMX6GX3M3A1600C9(XMP)    | 6GB ( 3x 2GB )  | DS    | -          | -          | 9-9-9-24 | 1.65      | •                              | •      | •      |
| CORSAIR | CMX6GX3M3C1600C7(XMP)    | 6GB ( 3x 2GB )  | DS    | -          | -          | 7-8-7-20 | 1.65      | •                              | •      | •      |
| CORSAIR | CM28GX3M2A1600C8(XMP)    | 8GB ( 2x 4GB )  | DS    | -          | -          | 8-8-8-24 | 1.5       | •                              | •      | •      |
| CORSAIR | CM28GX3M2A1600C9(XMP)    | 8GB ( 2x 4GB )  | DS    | -          | -          | 9-9-9-24 | 1.5       | •                              | •      | •      |
| Crucial | BL12864BN1608.8FF(XMP)   | 2GB( 2x 1GB )   | SS    | -          | -          | 8-8-8-24 | 1.65      | •                              | •      | •      |
| Crucial | BL25664BN1608.16FF(XMP)  | 4GB( 2x 2GB )   | DS    | -          | -          | 8-8-8-24 | 1.65      | •                              | •      | •      |
| G.SKILL | F3-12800CL7Q-16GBXH(XMP) | 16GB ( 4x 4GB ) | DS    | -          | -          | 7-8-7-24 | 1.6       | •                              | •      | •      |
| G.SKILL | F3-12800CL9Q-16GBXL(XMP) | 16GB ( 4x 4GB ) | DS    | -          | -          | 9-9-9-24 | 1.5       | •                              | •      | •      |
| G.SKILL | F3-12800CL9D-4GBN(XMP)   | 4GB ( 2x 2GB )  | DS    | -          | -          | 9-9-9-24 | 1.5       | •                              | •      | •      |
| G.SKILL | F3-12800CL7D-8GBRH(XMP)  | 8GB ( 2x 4GB )  | DS    | -          | -          | 7-8-7-24 | 1.6       | •                              | •      | •      |
| G.SKILL | F3-12800CL7D-8GBXH(XMP)  | 8GB ( 2x 4GB )  | DS    | -          | -          | 7-8-7-24 | 1.6       | •                              | •      | •      |
| G.SKILL | F3-12800CL9D-8GBRL(XMP)  | 8GB ( 2x 4GB )  | DS    | -          | -          | 9-9-9-24 | 1.5       | •                              | •      | •      |
| G.SKILL | F3-12800CL9D-8GBSR2(XMP) | 8GB ( 2x 4GB )  | DS    | -          | -          | 9-9-9-24 | 1.25      | •                              | •      | •      |
| G.SKILL | F3-12800CL8D-8GBECO(XMP) | 8GB ( 2x 4GB )  | DS    | -          | -          | 8-8-8-24 | 1.35      | •                              | •      | •      |
| GEIL    | GET316GB1600C9QC(XMP)    | 16GB ( 4x 4GB ) | DS    | -          | -          | 9-9-9-28 | 1.6       | •                              | •      | •      |

|           |                            |                 |    |           |                |          |      |   |   |   |
|-----------|----------------------------|-----------------|----|-----------|----------------|----------|------|---|---|---|
| GEIL      | GUP34GB1600C7DC(XMP)       | 4GB ( 2x 2GB )  | DS | -         | -              | 7-7-24   | 1.6  | • | • | • |
| GEIL      | GVP38GB1600C8QC(XMP)       | 8GB ( 4x 2GB )  | DS | -         | -              | 8-8-28   | 1.6  | • | • | • |
| KINGSTON  | KHX1600C9D3K3/12GX(XMP)    | 12GB ( 3x 4GB ) | DS | -         | -              | 9        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3T1BK3/12GX(XMP) | 12GB ( 3x 4GB ) | DS | -         | -              | 9        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3K3/12GX(XMP)    | 12GB ( 3x 4GB ) | DS | -         | -              | -        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3K6/24GX(XMP)    | 24GB ( 6x 4GB ) | DS | -         | -              | 9        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C8D3K2/4GX(XMP)     | 4GB ( 2x 2GB )  | DS | -         | -              | 8        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C8D3T1K2/4GX(XMP)   | 4GB ( 2x 2GB )  | DS | -         | -              | 8        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3K2/4GX(XMP)     | 4GB ( 2x 2GB )  | DS | -         | -              | -        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3L2/4GX(XMP)     | 4GB ( 2x 2GB )  | DS | -         | -              | -        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3K2/4GX(XMP)     | 4GB ( 2x 2GB )  | DS | -         | -              | 9        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3K3/6GX(XMP)     | 6GB ( 3x 2GB )  | DS | -         | -              | 9        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3K3/6GX(XMP)     | 6GB ( 3x 2GB )  | DS | -         | -              | 9        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3K3/6GX(XMP)     | 6GB ( 3x 2GB )  | DS | -         | -              | 9        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3T1K3/6GX(XMP)   | 6GB ( 3x 2GB )  | DS | -         | -              | -        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3T1K3/6GX(XMP)   | 6GB ( 3x 2GB )  | DS | -         | -              | 9        | 1.65 | • | • | • |
| KINGSTON  | KHX1600C9D3P1K2/8G         | 8GB ( 2x 4GB )  | DS | -         | -              | 9        | 1.5  | • | • | • |
| OCZ       | OC23BE1600CLV4GK           | 4GB ( 2x 2GB )  | DS | -         | -              | 8-8-8    | 1.65 | • | • | • |
| OCZ       | OC23OB1600LV4GK            | 4GB ( 2x 2GB )  | DS | -         | -              | 9-9-9    | 1.65 | • | • | • |
| Transcend | JM1600KLN-8GK              | 8GB ( 2x 4GB )  | DS | Transcend | TK483PCW3      | -        | -    | • | • | • |
| Asint     | SLZ3128M8-EGJ1D(XMP)       | 2GB             | DS | Asint     | 3128M8-GJ1D    | -        | -    | • | • | • |
| EK Memory | EKM324L28BP8-116(XMP)      | 4GB ( 2x 2GB )  | DS | -         | -              | 9        | -    | • | • | • |
| EK Memory | EKM324L28BP8-116(XMP)      | 4GB ( 2x 2GB )  | DS | -         | -              | 9        | -    | • | • | • |
| GoodRam   | GR1600D364L9/2G            | 2GB             | DS | GoodRam   | GF1008KC-JN    | -        | -    | • | • | • |
| KINGTIGER | KTG2G1600P3(XMP)           | 2GB             | DS | -         | -              | -        | -    | • | • | • |
| Mushkin   | 996805(XMP)                | 4GB ( 2x 2GB )  | DS | -         | -              | 6-8-6-24 | 1.65 | • | • | • |
| Mushkin   | 996805(XMP)                | 6GB ( 3x 2GB )  | DS | -         | -              | 6-8-6-24 | 1.65 | • | • | • |
| Patriot   | PX7312G1600LLK(XMP)        | 12GB ( 3x 4GB ) | DS | -         | -              | 8-9-8-24 | 1.65 | • | • | • |
| Patriot   | PGS34G1600LLK2A            | 4GB ( 2x 2GB )  | DS | -         | -              | 8-8-8-24 | 1.7  | • | • | • |
| Patriot   | PGS34G1600LLK1A            | 4GB ( 2x 2GB )  | DS | -         | -              | 7-7-7-20 | 1.7  | • | • | • |
| Patriot   | PVV38G1600LLK(XMP)         | 8GB ( 2x 4GB )  | DS | -         | -              | 8-9-8-24 | 1.65 | • | • | • |
| Patriot   | PX538G1600LLK(XMP)         | 8GB ( 2x 4GB )  | DS | -         | -              | 8-9-8-24 | 1.65 | • | • | • |
| SanMax    | SMD-4G68HP-16KZ            | 4GB             | DS | Hynix     | H5TQ2G83BFRPBC | -        | 1.5  | • | • | • |
| Team      | TXD31024M1600C8-D(XMP)     | 1GB             | SS | Team      | T3D1288RT-16   | 8-8-8-24 | 1.65 | • | • | • |
| Team      | TXD32048M1600C7-L(XMP)     | 2GB             | DS | Team      | T3D1288LT-16   | 7-7-7-24 | 1.65 | • | • | • |
| Team      | TXD32048M1600C8-D(XMP)     | 2GB             | DS | Team      | T3D1288RT-16   | 8-8-8-24 | 1.65 | • | • | • |
| Team      | TXD32048M1600H8-D(XMP)     | 2GB             | DS | Team      | T3D1288RT-16   | 8-8-8-24 | 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 PRO Motherboard Qualified Vendors Lists (QVL)

#### DDR3 1333MHz capability

|          | Part No.                | Size            | SS/DS | Chip Brand | Chip NO.          | Timing   | Voltage   | DIMM socket support (Optional) |        |        |
|----------|-------------------------|-----------------|-------|------------|-------------------|----------|-----------|--------------------------------|--------|--------|
|          |                         |                 |       |            |                   |          |           | 1 DIMM                         | 2 DIMM | 4 DIMM |
| A-DATA   | AD6311B0823EV           | 2GB             | SS    | A-DATA     | 3CCA-1509A        | -        | -         | •                              | •      | •      |
| A-DATA   | AM2U139C2P1             | 2GB             | SS    | A-DATA     | 3CCD-1509A        | -        | -         | •                              | •      | •      |
| A-DATA   | AXDU1333GC2G9(XMP)      | 2GB             | SS    | -          | -                 | 9-9-9-24 | 1.25~1.35 | •                              | •      | •      |
| A-DATA   | AD6311C1624EV           | 4GB             | DS    | A-DATA     | 3CCA-1509A        | -        | -         | •                              | •      | •      |
| A-DATA   | AM2U139CAP2             | 4GB             | DS    | A-DATA     | 3CCD-1509A        | -        | -         | •                              | •      | •      |
| A-DATA   | SU3U1333W8G9(XMP)       | 8GB             | DS    | ELPIDA     | J4208BASE-DJ-F    | -        | -         | •                              | •      | •      |
| Apacer   | 78.A1GC6.9L1            | 2GB             | DS    | Apacer     | AM5D5808FEQSBG    | 9        | -         | •                              | •      | •      |
| Apacer   | 78.B1GDE.9L10C          | 4GB             | DS    | Apacer     | AM5D5908CEHSBG    | 9        | -         | •                              | •      | •      |
| CORSAIR  | TW3X4G1333C9A           | 4GB ( 2x 2GB )  | DS    | -          | -                 | 9-9-9-24 | 1.5       | •                              | •      | •      |
| CORSAIR  | CMX8GX3M2A1333C9(XMP)   | 8GB ( 2x 4GB )  | DS    | -          | -                 | 9-9-9-24 | 1.5       | •                              | •      | •      |
| ELPIDA   | EBJ20UF8BCFO-DJ-F       | 2GB             | SS    | Elpida     | J2108BCSE-DJ-F    | -        | -         | •                              | •      | •      |
| ELPIDA   | EBJ41UF8BCFO-DJ-F       | 4GB             | DS    | ELPIDA     | J2108BCSE-DJ-F    | -        | -         | •                              | •      | •      |
| G.SKILL  | F3-10600CL9D-4GBNT      | 4GB ( 2x 2GB )  | DS    | G.SKILL    | D3 128M8CE9 2GB   | 9-9-9-24 | 1.5       | •                              | •      | •      |
| G.SKILL  | F3-10666CL8D-4GBHX(XMP) | 4GB ( 2x 2GB )  | DS    | -          | -                 | 8-8-8-21 | 1.5       | •                              | •      | •      |
| G.SKILL  | F3-10666CL7D-8GBRH(XMP) | 8GB ( 2x 4GB )  | DS    | -          | -                 | 7-7-7-21 | 1.5       | •                              | •      | •      |
| G.SKILL  | F3-10666CL9D-8GBRL      | 8GB ( 2x 4GB )  | DS    | -          | -                 | 9-9-9-24 | 1.5       | •                              | •      | •      |
| G.SKILL  | F3-10666CL9D-8GBRL      | 8GB ( 2x 4GB )  | DS    | -          | -                 | 9-9-9-24 | 1.5       | •                              | •      | •      |
| G.SKILL  | F3-10666CL9D-8GBXL      | 8GB ( 2x 4GB )  | DS    | -          | -                 | 9-9-9-24 | 1.5       | •                              | •      | •      |
| GEIL     | GET316GB1333C9QC        | 16GB ( 4x 4GB ) | DS    | -          | -                 | 9-9-9-24 | 1.5       | •                              | •      | •      |
| GEIL     | GG34GB1333C9DC          | 4GB ( 2x 2GB )  | DS    | GEIL       | GL1L128M88BA115FW | 9-9-9-24 | 1.3       | •                              | •      | •      |
| GEIL     | GG34GB1333C9DC          | 4GB ( 2x 2GB )  | DS    | GEIL       | GL1L128M88BA15B   | 9-9-9-24 | 1.3       | •                              | •      | •      |
| GEIL     | GVP34GB1333C9DC         | 4GB ( 2x 2GB )  | DS    | -          | -                 | 9-9-9-24 | 1.5       | •                              | •      | •      |
| GEIL     | GB34GB1333C7DC          | 4GB ( 2x 2GB )  | DS    | GEIL       | GL1L128M88BA15FW  | 7-7-7-24 | 1.5       | •                              | •      | •      |
| GEIL     | GVP38GB1333C9DC         | 8GB ( 2x 4GB )  | DS    | -          | -                 | 9-9-9-24 | 1.5       | •                              | •      | •      |
| Hynix    | HMT325U6BFR8C-H9        | 2GB             | SS    | Hynix      | H5TQ2G83BFR       | -        | -         | •                              | •      | •      |
| Hynix    | HMT125U6TFR8A-H9        | 2GB             | DS    | Hynix      | H5TC1G83TFR       | -        | -         | •                              | •      | •      |
| KINGMAX  | FLFD45F-B8KL9           | 1GB             | SS    | KINGMAX    | KFB8FNLXF-BNF-15A | -        | -         | •                              | •      | •      |
| KINGMAX  | FLFE85F-C8KL9           | 2GB             | SS    | KINGMAX    | KFC8FNLXF-DXX-15A | -        | -         | •                              | •      | •      |
| KINGMAX  | FLFE85F-C8KM9           | 2GB             | SS    | Kingmax    | KFC8FNMXF-BXX-15A | -        | -         | •                              | •      | •      |
| KINGMAX  | FLFE85F-B8KL9           | 2GB             | DS    | KINGMAX    | KFB8FNLXL-BNF-15A | -        | -         | •                              | •      | •      |
| KINGMAX  | FLFF65F-C8KL9           | 4GB             | DS    | KINGMAX    | KFC8FNLXF-DXX-15A | -        | -         | •                              | •      | •      |
| KINGMAX  | FLFF65F-C8KM9           | 4GB             | DS    | Kingmax    | KFC8FNMXF-BXX-15A | -        | -         | •                              | •      | •      |
| KINGSTON | KVR1333D3S8N9/2G        | 2GB             | SS    | Micron     | IFD77 D9L GK      | -        | 1.5       | •                              | •      | •      |
| KINGSTON | KVR1333D3N9/2G(隱版)      | 2GB             | DS    | Elpida     | J1108BDBG-DJ-F    | -        | 1.5       | •                              | •      | •      |
| KINGSTON | KVR1333D3N9/2G          | 2GB             | DS    | Kingston   | D1288JPNPLD9U     | 9        | 1.5       | •                              | •      | •      |
| KINGSTON | KHX1333C9D3UK2/4GX(XMP) | 4GB ( 2x 2GB )  | DS    | -          | -                 | 9        | 1.25      | •                              | •      | •      |
| KINGSTON | KVR1333D3N9K2/4G        | 4GB ( 2x 2GB )  | DS    | KINGSTON   | D1288JEMPGD9U     | -        | 1.5       | •                              | •      | •      |
| KINGSTON | KVR1333D3E9S/4G         | 4GB             | DS    | Elpida     | J2108ECSE-DJ-F    | 9        | 1.5       | •                              | •      | •      |
| MICRON   | MT4JTF12864AZ-1G4D1     | 1GB             | SS    | Micron     | D9L GK            | -        | -         | •                              | •      | •      |
| MICRON   | MT8JTF25664AZ-1G4D1     | 2GB             | SS    | Micron     | D9L GK            | -        | -         | •                              | •      | •      |
| MICRON   | MT8JTF25664AZ-1G4D1     | 2GB             | SS    | Micron     | D9L GK            | -        | -         | •                              | •      | •      |
| MICRON   | MT8JTF25664AZ-1G4M1     | 2GB             | SS    | MICRON     | D9PFJ             | -        | -         | •                              | •      | •      |
| MICRON   | MT16JTF51264AZ-1G4D1    | 4GB             | DS    | Micron     | D9L GK            | -        | -         | •                              | •      | •      |
| MICRON   | MT16JTF51264AZ-1G4M1    | 4GB             | DS    | Micron     | IGM22 D9PFJ       | -        | -         | •                              | •      | •      |
| OCZ      | OC23B1333LV4GK          | 4GB ( 2x 2GB )  | DS    | -          | -                 | 9-9-9    | 1.65      | •                              | •      | •      |
| OCZ      | OC23G1333LV8GK          | 8GB ( 2x 4GB )  | DS    | -          | -                 | 9-9-9    | 1.65      | •                              | •      | •      |
| OCZ      | OC23G1333LV8GK          | 8GB ( 2x 4GB )  | DS    | -          | -                 | 9-9-9    | 1.65      | •                              | •      | •      |
| OCZ      | OC23RPR1333C9LV8GK      | 8GB ( 2x 4GB )  | DS    | -          | -                 | 9-9-9    | 1.65      | •                              | •      | •      |
| PSC      | PC310600U-9-10-A0       | 1GB             | SS    | PSC        | A3P1GF3FGF        | -        | -         | •                              | •      | •      |

|               |                        |              |    |           |                     |            |         |   |   |   |
|---------------|------------------------|--------------|----|-----------|---------------------|------------|---------|---|---|---|
| PSC           | PC310600U-9-10-B0      | 2GB          | DS | PSC       | A3P1GF3FGF          | -          | -       | • | • | • |
| SAMSUNG       | M378B5773DH0-CH9       | 2GB          | SS | SAMSUNG   | K4B2G08460          | -          | -       | • | • | • |
| SAMSUNG       | M378B5673FH0-CH9       | 2GB          | DS | SAMSUNG   | K4B1G0846F          | -          | -       | • | • | • |
| SAMSUNG       | M378B5273CH0-CH9       | 4GB          | DS | SAMSUNG   | K4B2G0846C          | K4B2G0846C | -       | • | • | • |
| SAMSUNG       | M378B5273DH0-CH9       | 4GB          | DS | SAMSUNG   | K4B2G08460          | -          | -       | • | • | • |
| SAMSUNG       | M378B1G73AH0-CH9       | 8GB          | DS | SAMSUNG   | K4B4G0846A-HCH9     | -          | -       | • | • | • |
| Transcend     | JM1333KLN-2G (582670)  | 2GB          | SS | Micron    | ICD77 C9L GK        | -          | -       | • | • | • |
| Transcend     | JM1333KLN-2G           | 2GB          | SS | Transcend | TK483PCW3           | -          | -       | • | • | • |
| Transcend     | TS256MLK64V3N (585541) | 2GB          | SS | Micron    | ICD77 D9L GK        | 9          | -       | • | • | • |
| Transcend     | TS256MLK64V3N (566577) | 2GB          | SS | Hynix     | H5TQ2G83BFR         | 9          | -       | • | • | • |
| Transcend     | TS256MLK64V3N (574206) | 2GB          | SS | Micron    | D9L GK              | 9          | -       | • | • | • |
| Transcend     | JM1333KLN-4G (583782)  | 4GB          | DS | Transcend | TK483PCW3           | 9          | -       | • | • | • |
| Transcend     | JM1333KLN-4G           | 4GB          | DS | Transcend | TK483PCW3           | -          | -       | • | • | • |
| Transcend     | TS512MLK64V3N (585538) | 4GB          | DS | Micron    | IED27 D9L GK        | 9          | -       | • | • | • |
| Transcend     | TS512MLK64V3N (574831) | 4GB          | DS | Micron    | D9L GK              | 9          | -       | • | • | • |
| ACTICA        | ACT1GHU64B8F1333S      | 1GB          | SS | SAMSUNG   | K4B1G0846F          | -          | -       | • | • | • |
| ACTICA        | ACT1GHU72C8G1333S      | 1GB          | SS | SAMSUNG   | K4B1G0846F(ECC)     | -          | -       | • | • | • |
| ACTICA        | ACT2GHU64B8G1333M      | 2GB          | DS | Micron    | D9KPT               | -          | -       | • | • | • |
| ACTICA        | ACT2GHU64B8G1333S      | 2GB          | DS | SAMSUNG   | K4B1G0846F          | -          | -       | • | • | • |
| ACTICA        | ACT2GHU72D8G1333M      | 2GB          | DS | Micron    | D9KPT(ECC)          | -          | -       | • | • | • |
| ACTICA        | ACT2GHU72D8G1333S      | 2GB          | DS | SAMSUNG   | K4B1G0846F(ECC)     | -          | -       | • | • | • |
| ACTICA        | ACT4GHU64B8H1333H      | 4GB          | DS | Hynix     | H5TQ2G83AFR         | -          | -       | • | • | • |
| ACTICA        | ACT4GHU72D8H1333H      | 4GB          | DS | Hynix     | H5TQ2G83AFR(ECC)    | -          | -       | • | • | • |
| ATP           | AQ56M72E8BJH9S         | 2GB          | DS | SAMSUNG   | K4B1G0846F(ECC)     | -          | -       | • | • | • |
| ATP           | AQ12M72E8BKH9S         | 4GB          | DS | SAMSUNG   | K4B2G0846C(ECC)     | -          | -       | • | • | • |
| BUFFALO       | D3U1333-1G             | 1GB          | SS | Elpida    | J1108BFBG-DJ-F      | -          | -       | • | • | • |
| BUFFALO       | D3U1333-2G             | 2GB          | DS | Elpida    | J1108BFBG-DJ-F      | -          | -       | • | • | • |
| BUFFALO       | D3U1333-4G             | 4GB          | DS | NANYA     | NT5CB256M8BN-CG     | -          | -       | • | • | • |
| EK Memory     | EKM324L28BP8-113       | 4GB(2 x 2GB) | DS | -         | -                   | 9          | -       | • | • | • |
| Elixir        | M2F2G64CB88B7N-CG      | 2GB          | SS | Elixir    | N2CB2G808N-CG       | -          | -       | • | • | • |
| Elixir        | M2F2G64CB88D7N-CG      | 2GB          | SS | Elixir    | M2CB2G8BDN-CG       | -          | -       | • | • | • |
| Elixir        | M2F2G64CB88G7N-CG      | 2GB          | SS | Elixir    | N2CB2G80GN-CG       | -          | -       | • | • | • |
| Elixir        | M2F4G64CB88B5N-CG      | 4GB          | DS | Elixir    | N2CB2G808N-CG       | -          | -       | • | • | • |
| Elixir        | M2F4G64CB88D5N-CG      | 4GB          | DS | Elixir    | M2CB2G8BDN-CG       | -          | -       | • | • | • |
| GoodRam       | GR1333D384L9/2G        | 2GB          | DS | Qimonda   | IDSH1G-03A1F1C-13H  | -          | -       | • | • | • |
| KINGTIGER     | F10DA2T1680            | 2GB          | DS | KINGTIGER | KTG1333PS1208NST-C9 | -          | -       | • | • | • |
| KINGTIGER     | KTG2G1333PG3           | 2GB          | DS | -         | -                   | -          | -       | • | • | • |
| Patriot       | PSD32G13332            | 2GB          | DS | Patriot   | PM128M8D3BU-15      | 9          | -       | • | • | • |
| Patriot       | PGS34G1333LLKA         | 4GB(2 x 2GB) | DS | -         | -                   | 7-7-7-20   | 1.7     | • | • | • |
| Patriot       | PG38G1333EL(XMP)       | 8GB          | DS | -         | -                   | -          | 1.5     | • | • | • |
| RIDATA        | C304627CB1AG22Fe       | 2GB          | DS | RIDATA    | C304627CB1AG22Fe    | 9          | -       | • | • | • |
| RIDATA        | E304459CB1AG32Cf       | 4GB          | DS | RIDATA    | E304459CB1AG32Cf    | 9          | -       | • | • | • |
| SanMax        | SMD4G68H1P-13HZ        | 4GB          | DS | Hynix     | H5TQ2G83BFRH9C      | -          | 1.5     | • | • | • |
| Silicon Power | SP001GBLTU133S01       | 1GB          | SS | NANYA     | NT5CB128M8AN-CG     | -          | -       | • | • | • |
| Silicon Power | SP001GBLTU133S02       | 1GB          | SS | S-POWER   | 10YT3E5             | 9          | -       | • | • | • |
| Silicon Power | SP002GBLTE133S01       | 2GB          | DS | NANYA     | NT5CB128M8AN-CG     | -          | -       | • | • | • |
| Team          | TXD31024M1333C7(XMP)   | 1GB          | SS | Team      | T3D1288LT-13        | 7-7-7-21   | 1.75    | • | • | • |
| Team          | TXD31048M1333C7-D(XMP) | 1GB          | SS | Team      | T3D1288LT-13        | 7-7-7-21   | 1.75    | • | • | • |
| Team          | TXD32048M1333C7-D(XMP) | 2GB          | DS | Team      | T3D1288LT-13        | 7-7-7-21   | 1.5-1.6 | • | • | • |

#### 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.