

## P8Z77-V LX

### 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 |
| Transcend | TX2400KLU-4GK (381850)(XMP) | 4GB(2x 2GB) | SS    | -          | -        | 9      | 1.65V   | •                              | •      |        |

## P8Z77-V LX

### 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   | •                              | •      | •      |

## P8Z77-V LX

### 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 |
| G.SKILL | F3-17600CL8D-4GBPS(XMP) | 4GB(2 x 2GB) | DS    | -          | -        | 8-8-8-24 | 1.65V     | •                              |        |        |
| KINGMAX | FLKE85F-B8KJA FEIH(XMP) | 4GB(2 x 2GB) | DS    | -          | -        | -        | 1.5V-1.7V | •                              |        |        |

## P8Z77-V LX

### 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 |
| A-DATA   | AX3U2133GC2G9B-DG2(XMP)    | 2GB            | SS    | -          | -        | 9-11-9-27 | 1.55~1.75V | •                              |        |        |
| 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      | •                              | •      |        |
| GEIL     | GE34GB2133C9DC(XMP)        | 2GB            | DS    | -          | -        | 9-9-9-28  | 1.65V      | •                              | •      |        |
| GEIL     | GU34GB2133C9DC(XMP)        | 4GB(2 x 2GB)   | DS    | -          | -        | 9-9-9-28  | 1.65V      | •                              | •      | •      |
| KINGSTON | KHX2133C9AD3T1K2/4GX(XMP)  | 4GB ( 2x 2GB ) | DS    | -          | -        | -         | 1.65V      | •                              | •      | •      |
| KINGSTON | KHX2133C9AD3X2K2/4GX(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      | •                              | •      | •      |
| KINGSTON | KHX2133C9AD3T1FK4/8GX(XMP) | 8GB(4x 2GB)    | DS    | -          | -        | -         | 1.65V      | •                              | •      | •      |

## P8Z77-V LX

### 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 |
| Apacer  | 78.AAGD5.9KD(XMP)        | 6GB(3 x 2GB) | DS    | -          | -        | 9-9-9-27    | 1.65V   | •                              | •      | •      |
| CORSAIR | CMZ4GX3M2A2000C10(XMP)   | 4GB(2 x 2GB) | SS    | -          | -        | 10-10-10-27 | 1.50V   | •                              | •      | •      |
| CORSAIR | CMT6GX3M3A2000C8(XMP)    | 6GB(3 x 2GB) | DS    | -          | -        | 8-9-8-24    | 1.65V   | •                              | •      |        |
| G.SKILL | F3-16000CL9D-4GBFLS(XMP) | 4GB(2 x 2GB) | DS    | -          | -        | 9-9-9-24    | 1.65V   | •                              | •      | •      |
| G.SKILL | F3-16000CL9D-4GBTD(XMP)  | 4GB(2 x 2GB) | DS    | -          | -        | 9-9-9-27    | 1.65V   | •                              | •      | •      |

|                  |                           |                |    |   |   |          |       |   |   |   |
|------------------|---------------------------|----------------|----|---|---|----------|-------|---|---|---|
| <b>G.SKILL</b>   | F3-16000CL6T-6GBPIS(XMP)  | 6GB (3x 2GB )  | DS | - | - | 6-9-6-24 | 1.65V | • | • |   |
| <b>KINGSTON</b>  | KHX2000C9AD3T1K2/4GX(XMP) | 4GB ( 2x 2GB ) | DS | - | - | -        | 1.65V | • | • | • |
| <b>KINGSTON</b>  | KHX2000C9AD3W1K2/4GX(XMP) | 4GB ( 2x 2GB ) | DS | - | - | -        | 1.65V | • | • |   |
| <b>KINGSTON</b>  | KHX2000C9AD3T1K2/4GX(XMP) | 4GB(2 x 2GB)   | DS | - | - | 9        | 1.65V | • | • | • |
| <b>KINGSTON</b>  | KHX2000C9AD3W1K3/6GX(XMP) | 6GB ( 3x 2GB ) | DS | - | - | -        | 1.65V | • | • |   |
| <b>KINGSTON</b>  | KHX2000C9AD3T1K3/6GX(XMP) | 6GB (3x 2GB )  | DS | - | - | -        | 1.65V | • | • |   |
| <b>Transcend</b> | TX2000KLN-8GK(XMP)        | 8GB(2 x 4GB)   | DS | - | - | -        | 1.6V  | • | • | • |

## P8Z77-V LX

### 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 |
| <b>CORSAIR</b>  | CMT4GX3M2A1866C9(XMP)    | 4GB(2 x 2GB) | DS    | -          | -        | 9-9-9-24  | 1.65V   | •                              | •      | •      |
| <b>CORSAIR</b>  | CMT6GX3MA1866C9(XMP)     | 6GB(3 x 2GB) | DS    | -          | -        | 9-9-9-24  | 1.65V   | •                              | •      |        |
| <b>CORSAIR</b>  | CMZ8GX3M2A1866C9(XMP)    | 8GB(2 x 4GB) | DS    | -          | -        | 9-10-9-27 | 1.50V   | •                              | •      | •      |
| <b>G.SKILL</b>  | F3-14900CL9D-8GBXL(XMP)  | 8GB(2 x 4GB) | DS    | -          | -        | 9-10-9-28 | 1.5V    | •                              | •      | •      |
| <b>G.SKILL</b>  | F3-14900CL9Q-8GBXL(XMP)  | 8GB(2GBx4)   | DS    | -          | -        | 9-9-9-24  | 1.6V    | •                              | •      | •      |
| <b>KINGSTON</b> | KHX1866C9D3T1K3/3GX(XMP) | 3GB(3 x 1GB) | SS    | -          | -        | -         | 1.65V   | •                              | •      | •      |
| <b>KINGSTON</b> | KHX1866C9D3T1K3/6GX(XMP) | 6GB(3 x 2GB) | DS    | -          | -        | -         | 1.65V   | •                              | •      | •      |

## P8Z77-V LX

### 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 |
| <b>A-DATA</b>  | AM2U16BC2P1             | 2GB          | SS    | A-DATA     | 3CCD-1509A EL1126T | -        | -           | •                              | •      | •      |
| <b>A-DATA</b>  | AD31600E001GM(O)U3K     | 3GB(3 x 1GB) | SS    | -          | -                  | 8-8-8-24 | 1.65V-1.85V | •                              | •      |        |
| <b>A-DATA</b>  | AM2U16BC4P2             | 4GB          | DS    | A-DATA     | 3CCD-1509A EL1126T | -        | -           | •                              | •      | •      |
| <b>A-DATA</b>  | AX3U1600GC4G9-2G(XMP)   | 8GB(2 x 4GB) | DS    | -          | -                  | 9-9-9-24 | 1.55V-1.75V | •                              | •      | •      |
| <b>A-DATA</b>  | AX3U1600XC4G79-2X(XMP)  | 8GB(2 x 4GB) | DS    | -          | -                  | 7-9-7-21 | 1.55V-1.75V | •                              | •      | •      |
| <b>CORSAIR</b> | TR3X3G1600C8D(XMP)      | 3GB(3 x 1GB) | SS    | -          | -                  | 8-8-8-24 | 1.65V       | •                              | •      |        |
| <b>CORSAIR</b> | CMD12GX3M6A1600C8(XMP)  | 12GB(6x2GB)  | DS    | -          | -                  | 8-8-8-24 | 1.65V       | •                              | •      | •      |
| <b>CORSAIR</b> | CMP4GX3M2A1600C8(XMP)   | 4GB(2 x 2GB) | DS    | -          | -                  | 8-8-8-24 | 1.65V       | •                              | •      | •      |
| <b>CORSAIR</b> | CMP4GX3M2A1600C9(XMP)   | 4GB(2 x 2GB) | DS    | -          | -                  | 9-9-9-24 | 1.65V       | •                              | •      | •      |
| <b>CORSAIR</b> | CMP4GX3M2C1600C7(XMP)   | 4GB(2 x 2GB) | DS    | -          | -                  | 7-8-7-20 | 1.65V       | •                              | •      | •      |
| <b>CORSAIR</b> | CMX4GX3M2A1600C9(XMP)   | 4GB(2 x 2GB) | DS    | -          | -                  | 9-9-9-24 | 1.65V       | •                              | •      |        |
| <b>CORSAIR</b> | CMX4GX3M2A1600C9(XMP)   | 4GB(2 x 2GB) | DS    | -          | -                  | 9-9-9-24 | 1.65V       | •                              | •      | •      |
| <b>CORSAIR</b> | TR3X6G1600C8 G(XMP)     | 6GB(3 x 2GB) | DS    | -          | -                  | 8-8-8-24 | 1.65V       | •                              | •      | •      |
| <b>CORSAIR</b> | TR3X6G1600C8D G(XMP)    | 6GB(3 x 2GB) | DS    | -          | -                  | 8-8-8-24 | 1.65V       | •                              | •      | •      |
| <b>CORSAIR</b> | TR3X6G1600C9 G(XMP)     | 6GB(3 x 2GB) | DS    | -          | -                  | 9-9-9-24 | 1.65V       | •                              | •      | •      |
| <b>CORSAIR</b> | CMP8GX3M2A1600C9(XMP)   | 8GB(2 x 4GB) | DS    | -          | -                  | 9-9-9-24 | 1.65V       | •                              | •      | •      |
| <b>CORSAIR</b> | CMZ8GX3M2A1600C7R(XMP)  | 8GB(2 x 4GB) | DS    | -          | -                  | 7-8-7-20 | 1.50V       | •                              | •      | •      |
| <b>CORSAIR</b> | CMX8GX3M4A1600C9(XMP)   | 8GB(4 x 2GB) | DS    | -          | -                  | 9-9-9-24 | 1.65V       | •                              | •      | •      |
| <b>Crucial</b> | BL25664BN1608.16FF(XMP) | 6GB(3 x 2GB) | DS    | -          | -                  | -        | -           | •                              | •      | •      |

|                     |                            |                 |    |           |                |             |            |   |   |   |
|---------------------|----------------------------|-----------------|----|-----------|----------------|-------------|------------|---|---|---|
| <b>G.SKILL</b>      | F3-12800CL9D-2GBNQ(XMP)    | 2GB(2 x 1GB)    | SS | -         | -              | 9-9-9-24    | 1.5V       | • | • | • |
| <b>G.SKILL</b>      | F3-12800CL7D-4GBRH(XMP)    | 4GB(2 x 2GB)    | SS | -         | -              | 7-7-7-24    | 1.6V       | • | • | • |
| <b>G.SKILL</b>      | F3-12800CL7D-4GBRM(XMP)    | 4GB(2 x 2GB)    | DS | -         | -              | 7-8-7-24    | 1.6V       | • | • | • |
| <b>G.SKILL</b>      | F3-12800CL8D-4GBRM(XMP)    | 4GB(2 x 2GB)    | DS | -         | -              | 8-8-8-24    | 1.60V      | • | • | • |
| <b>G.SKILL</b>      | F3-12800CL9D-4GBECO(XMP)   | 4GB(2 x 2GB)    | DS | -         | -              | 9-9-9-24    | XMP 1.35V  | • | • | • |
| <b>G.SKILL</b>      | F3-12800CL9D-4GBRL(XMP)    | 4GB(2 x 2GB)    | DS | -         | -              | 9-9-9-24    | 1.5V       | • | • | • |
| <b>G.SKILL</b>      | F3-12800CL9T-6GBNQ(XMP)    | 6GB(3 x 2GB)    | DS | -         | -              | 9-9-9-24    | 1.5V~1.6V  | • | • | • |
| <b>G.SKILL</b>      | F3-12800CL7D-8GBRH(XMP)    | 8GB(2 x 4GB)    | DS | -         | -              | 7-8-7-24    | 1.6V       | • | • | • |
| <b>G.SKILL</b>      | F3-12800CL8D-8GBECO(XMP)   | 8GB(2 x 4GB)    | DS | -         | -              | 8-8-8-24    | XMP 1.35V  | • | • | • |
| <b>G.SKILL</b>      | F3-12800CL9D-8GBRL(XMP)    | 8GB(2 x 4GB)    | DS | -         | -              | 9-9-9-24    | 1.5V       | • | • | • |
| <b>GEIL</b>         | GET316GB1600C9QC(XMP)      | 16GB ( 4x 4GB ) | DS | -         | -              | 9-9-9-28    | 1.6V       | • | • | • |
| <b>GEIL</b>         | GV34GB1600C8DC(XMP)        | 2GB             | DS | -         | -              | 8-8-8-28    | 1.6V       | • | • | • |
| <b>KINGMAX</b>      | FLGD45F-B8MF7 MAEH(XMP)    | 1GB             | SS | -         | -              | 7           | -          | • | • | • |
| <b>KINGMAX</b>      | FLGE85F-B8KJ9A FEIS(XMP)   | 2GB             | DS | -         | -              | -           | -          | • | • | • |
| <b>KINGMAX</b>      | FLGE85F-B8MF7 MEEH(XMP)    | 2GB             | DS | -         | -              | 7           | -          | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3P1K2/4G         | 4GB(2 x 2GB)    | SS | -         | -              | -           | 1.5V       | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3K3/12GX(XMP)    | 12GB(3x4GB)     | DS | -         | -              | 9-9-9-27    | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3T1BK3/12GX(XMP) | 12GB(3x4GB)     | DS | -         | -              | 9-9-9-27    | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9AD3/2G            | 2GB             | DS | -         | -              | -           | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KVR1600D3N11/2G-ES         | 2GB             | DS | KTC       | D1288JPNDPLD9U | 11-11-11-28 | 1.35V-1.5V | • | • | • |
| <b>KINGSTON</b>     | KHX1600C7D3K2/4GX(XMP)     | 4GB ( 2x 2GB )  | DS | -         | -              | -           | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C8D3K2/4GX(XMP)     | 4GB(2 x 2GB)    | DS | -         | -              | 8           | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C8D3T1K2/4GX(XMP)   | 4GB(2 x 2GB)    | DS | -         | -              | 8           | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3K2/4GX(XMP)     | 4GB(2 x 2GB)    | DS | -         | -              | 9           | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3LK2/4GX(XMP)    | 4GB(2 x 2GB)    | DS | -         | -              | 9           | XMP 1.35V  | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3X2K2/4GX(XMP)   | 4GB(2 x 2GB)    | DS | -         | -              | 9-9-9-27    | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3T1K3/6GX(XMP)   | 6GB ( 3x 2GB )  | DS | -         | -              | -           | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3K3/6GX(XMP)     | 6GB(3 x 2GB)    | DS | -         | -              | 9           | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3T1BK3/6GX(XMP)  | 6GB(3 x 2GB)    | DS | -         | -              | 9-9-9-27    | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3K2/8GX(XMP)     | 8GB(2 x 4GB)    | DS | -         | -              | 9-9-9-27    | 1.65V      | • | • | • |
| <b>KINGSTON</b>     | KHX1600C9D3P1K2/8G         | 8GB(2 x 4GB)    | DS | -         | -              | -           | 1.5V       | • | • | • |
| <b>Super Talent</b> | WA160UX6G9                 | 6GB(3 x 2GB)    | DS | -         | -              | 9           | -          | • | • | • |
| <b>Transcend</b>    | JM1600KLN-8GK              | 8GB(4GBx2)      | DS | Transcend | TK483PCW3      | -           | -          | • | • | • |
| <b>Asint</b>        | SLZ3128M8-EGJ1D(XMP)       | 2GB             | DS | Asint     | 3128M8-GJ1D    | 9-9-9-24    | 1.6V       | • | • | • |
| <b>Elixir</b>       | M2P2G64CB8HC9N-DG(XMP)     | 2GB             | DS | -         | -              | -           | -          | • | • | • |
| <b>Mushkin</b>      | 998659(XMP)                | 6GB(3 x 2GB)    | DS | -         | -              | 9-9-9-24    | 1.5~1.6V   | • | • | • |

## P8Z77-V LX

### 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 |
| <b>A-DATA</b> | AD31333001GOU | 1GB  | SS    | A-Data     | AD30908C8D-151C E0906 | -      | -       | •                              | •      | •      |
| <b>A-DATA</b> | AD3U1333C2G9  | 2GB  | SS    | A-DATA     | 3CCD-1509HNA1126L     | -      | -       | •                              | •      | •      |
| <b>A-DATA</b> | AD6311B0823EV | 2GB  | SS    | A-Data     | 3CCA-1509A            | -      | -       | •                              | •      | •      |

|                |                          |                 |    |         |                     |            |                          |   |   |   |
|----------------|--------------------------|-----------------|----|---------|---------------------|------------|--------------------------|---|---|---|
| <b>A-DATA</b>  | AM2U139C2P1              | 2GB             | SS | ADATA   | 3CCD-1509A EL1127T  | -          | -                        | • | • | • |
| <b>A-DATA</b>  | AX3U1333C2G9-BP          | 2GB             | SS | -       | -                   | -          | -                        | • | • | • |
| <b>A-DATA</b>  | AD31333G001GOU           | 3GB(3 x 1GB)    | SS | -       | -                   | 8-8-8-24   | 1.65-1.85V               | • | • | • |
| <b>A-DATA</b>  | AXDU1333GC2G9-2G(XMP)    | 4GB(2 x 2GB)    | SS | -       | -                   | 9-9-9-24   | 1.25V-1.35V(low voltage) | • | • | • |
| <b>A-DATA</b>  | AD31333G002GMU           | 2GB             | DS | -       | -                   | 8-8-8-24   | 1.65-1.85V               | • | • |   |
| <b>A-DATA</b>  | AD6311C1624EV            | 4GB             | DS | A-Data  | 3CCA-1509A          | -          | -                        | • | • | • |
| <b>A-DATA</b>  | AM2U139C4P2              | 4GB             | DS | ADATA   | 3CCD-1509A EL1127T  | -          | -                        | • | • | • |
| <b>A-DATA</b>  | SU3U1333W8G9-B           | 8GB             | DS | ELPIDA  | J4208BASE-DJ-F      | -          | -                        | • |   |   |
| <b>Apacer</b>  | 78.A1GC6.9L1             | 2GB             | DS | Apacer  | AM5D5808DEWSBG      | -          | -                        | • | • | • |
| <b>Apacer</b>  | 78.A1GC6.9L1             | 2GB             | DS | Apacer  | AM5D5808FEQSBG      | 9          | -                        | • | • | • |
| <b>Apacer</b>  | AU02GFA33C9NBGC          | 2GB             | DS | Apacer  | AM5D5808APQSBG      | -          | -                        | • | • | • |
| <b>Apacer</b>  | 78.B1GDE.9L10C           | 4GB             | DS | Apacer  | AM5D5908CEHSBG      | -          | -                        | • | • | • |
| <b>CORSAIR</b> | CM3X1024-1333C9          | 1GB             | SS | -       | -                   | 9-9-9-24   | 1.60V                    | • | • | • |
| <b>CORSAIR</b> | TR3X3G1333C9 G           | 3GB(3 x 1GB)    | SS | -       | -                   | 9-9-9-24   | 1.50V                    | • | • | • |
| <b>CORSAIR</b> | TR3X6G1333C9 G           | 6GB(3x 2GB)     | SS | -       | -                   | 9-9-9-24   | 1.50V                    | • | • |   |
| <b>CORSAIR</b> | CMD24GX3M6A1333C9(XMP)   | 24GB(6x4GB)     | DS | -       | -                   | 9-9-9-24   | 1.60V                    | • | • | • |
| <b>CORSAIR</b> | TW3X4G1333C9D G          | 4GB(2 x 2GB)    | DS | -       | -                   | 9-9-9-24   | 1.50V                    | • | • | • |
| <b>CORSAIR</b> | CM3X4GA1333C9N2          | 4GB             | DS | CORSAIR | 256MBDCJGELC0401136 | 9-9-9-24   | -                        | • | • | • |
| <b>CORSAIR</b> | CMX4GX3M1A1333C9         | 4GB             | DS | -       | -                   | 9-9-9-24   | 1.50V                    | • | • | • |
| <b>CORSAIR</b> | CMD8GX3M4A1333C7         | 8GB(4 x 2GB)    | DS | -       | -                   | 7-7-7-20   | 1.60V                    | • | • | • |
| <b>Crucial</b> | CT12864BA1339.8FF        | 1GB             | SS | Micron  | 9FF22D9KPT          | 9          | -                        | • | • | • |
| <b>Crucial</b> | CT25664BA1339.16FF       | 2GB             | DS | Micron  | 9KF27D9KPT          | 9          | -                        | • | • | • |
| <b>Crucial</b> | BL25664BN1337.16FF (XMP) | 6GB(3 x 2GB)    | DS | -       | -                   | 7-7-7-24   | 1.65V                    | • | • | • |
| <b>ELPIDA</b>  | EBJ10UE8EDF0-DJ-F        | 1GB             | SS | ELPIDA  | J1108EDSE-DJ-F      | -          | 1.35V(low voltage)       | • | • | • |
| <b>ELPIDA</b>  | EBJ21UE8EDF0-DJ-F        | 2GB             | DS | ELPIDA  | J1108EDSE-DJ-F      | -          | 1.35V(low voltage)       | • | • |   |
| <b>G.SKILL</b> | F3-10600CL8D-2GBHK(XMP)  | 1GB             | SS | G.SKILL | -                   | -          | -                        | • | • | • |
| <b>G.SKILL</b> | F3-10600CL9D-2GBNQ       | 2GB(2 x 1GB)    | SS | -       | -                   | 9-9-9-24   | 1.5V                     | • | • | • |
| <b>G.SKILL</b> | F3-10666CL7T-3GBPK(XMP)  | 3GB(3 x 1GB)    | SS | -       | -                   | 7-7-7-18   | 1.5~1.6V                 | • | • | • |
| <b>G.SKILL</b> | F3-10666CL8D-4GBECO(XMP) | 4GB(2 x 2GB)    | DS | -       | -                   | 8-8-8-8-24 | XMP 1.35V                | • | • | • |
| <b>G.SKILL</b> | F3-10666CL7T-6GBPK(XMP)  | 6GB(3 x 2GB)    | DS | -       | -                   | 7-7-7-18   | 1.5~1.6V                 | • | • |   |
| <b>G.SKILL</b> | F3-10666CL7D-8GBRH(XMP)  | 8GB(2 x 4GB)    | DS | -       | -                   | 7-7-7-21   | 1.5V                     | • | • | • |
| <b>GEIL</b>    | GET316GB1333C9QC         | 16GB ( 4x 4GB ) | DS | -       | -                   | 9-9-9-24   | 1.5V                     | • |   |   |
| <b>GEIL</b>    | GV32GB1333C9DC           | 2GB(2 x 1GB)    | DS | -       | -                   | 9-9-9-24   | 1.5V                     | • | • | • |
| <b>GEIL</b>    | GG34GB1333C9DC           | 4GB(2 x 2GB)    | DS | GEIL    | GL1L128M88BA12N     | 9-9-9-24   | 1.3V(low voltage)        | • | • | • |
| <b>GEIL</b>    | GV34GB1333C9DC           | 4GB(2 x 2GB)    | DS | -       | -                   | 9-9-9-24   | 1.5V                     | • | • | • |
| <b>GEIL</b>    | GVP34GB1333C7DC          | 4GB(2 x 2GB)    | DS | -       | -                   | 7-7-7-24   | 1.5V                     | • | • | • |
| <b>Hynix</b>   | HMT112U6TFR8A-H9         | 1GB             | SS | Hynix   | H5TC1G83TFRH9A      | -          | 1.35V(low voltage)       | • | • | • |
| <b>Hynix</b>   | HMT325U6BFR8C-H9         | 2GB             | SS | Hynix   | H5TQ2G83BFRH9C      | -          | -                        | • | • | • |
| <b>Hynix</b>   | HMT125U6TFR8A-H9         | 2GB             | DS | Hynix   | H5TC1G83TFRH9A      | -          | 1.35V(low voltage)       | • | • | • |
| <b>Hynix</b>   | HMT351U6BFR8C-H9         | 4GB             | DS | Hynix   | H5TQ2G83BFRH9C      | -          | -                        | • | • | • |
| <b>KINGMAX</b> | FLFD45F-B8KL9 NAES       | 1GB             | SS | KINGMAX | KKB8FNWBFGNX-27A    | -          | -                        | • | • | • |
| <b>KINGMAX</b> | FLFE85F-C8KF9 CAES       | 2GB             | SS | KINGMAX | KFC8FMFXF-DXX-15A   | -          | -                        | • | • | • |
| <b>KINGMAX</b> | FLFE85F-C8KL9 NAES       | 2GB             | SS | KINGMAX | KFC8FNLXF-DXX-15A   | -          | -                        | • | • | • |
| <b>KINGMAX</b> | FLFE85F-C8KM9 NAES       | 2GB             | SS | KINGMAX | KFC8FNMXF-BXX-15A   | -          | -                        | • | • | • |

|                     |                           |              |    |           |                   |          |           |   |   |   |
|---------------------|---------------------------|--------------|----|-----------|-------------------|----------|-----------|---|---|---|
| <b>KINGMAX</b>      | FLFE85F-B8KL9 NEES        | 2GB          | DS | KINGMAX   | KKB8FNWBFGNX-26A  | -        | -         | • | • | • |
| <b>KINGMAX</b>      | FLFF65F-C8KL9 NEES        | 4GB          | DS | KINGMAX   | KFC8FNLXF-DXX-15A | -        | -         | • | • | • |
| <b>KINGMAX</b>      | FLFF65F-C8KM9 NEES        | 4GB          | DS | KINGMAX   | KFC8FNMXF-BXX-15A | -        | -         | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/1G(矮版)        | 1GB          | SS | ELPIDA    | J1108BDBG-DJ-F    | 9        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/2G(矮版)        | 2GB          | SS | Hynix     | H5TQ2G83AFRH9C    | 9        | -         | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3S8N9/2G          | 2GB          | SS | Micron    | IID77 D9LGK       | -        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3S8N9/2G-SP(矮版)   | 2GB          | SS | ELPIDA    | J2108BCSE-DJ-F    | -        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/2G(矮版)        | 2GB          | DS | ELPIDA    | J1108BFBG-DJ-F    | 9        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/2G            | 2GB          | DS | KTC       | D1288JPNPDL9U     | 9        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/2G            | 2GB          | DS | ELPIDA    | J1108BDSE-DJ-F    | 9        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/2G-SP(矮版)     | 2GB          | DS | KTC       | D1288JEMFNGD9U    | -        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/2G-SP(矮版)     | 2GB          | DS | KINGSTON  | D1288JPSFPGD9U    | -        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KHX1333C7D3K2/4GX(XMP)    | 4GB(2 x 2GB) | DS | -         | -                 | 7        | 1.65V     | • | • | • |
| <b>KINGSTON</b>     | KHX1333C9D3UK2/4GX(XMP)   | 4GB(2 x 2GB) | DS | -         | -                 | 9        | XMP 1.25V | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/4G(矮版)        | 4GB          | DS | ELPIDA    | J2108BCSE-DJ-F    | 9        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/4G(矮版)        | 4GB          | DS | ELPIDA    | J2108BCSE-DJ-F    | -        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/4G            | 4GB          | DS | KTC       | D2568JENCNGD9U    | -        | 1.5V      | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/4G            | 4GB          | DS | Hynix     | H5TQ2G83AFR       | -        | -         | • | • | • |
| <b>KINGSTON</b>     | KVR1333D3N9/4G-SP(矮版)     | 4GB          | DS | KINGSTON  | D2568JENCPGD9U    | -        | 1.5V      | • | • | • |
| <b>Micron</b>       | MT4JTF12864AZ-1G4D1       | 1GB          | SS | Micron    | OJD12D9LGQ        | -        | -         | • | • | • |
| <b>Micron</b>       | MT8JTF12864AZ-1G4F1       | 1GB          | SS | Micron    | 9FF22D9KPT        | 9        | -         | • | • | • |
| <b>Micron</b>       | MT8JTF25664AZ-1G4D1       | 2GB          | SS | Micron    | OJD12D9LGK        | -        | -         | • | • | • |
| <b>Micron</b>       | MT8JTF25664AZ-1G4M1       | 2GB          | SS | MICRON    | IJM22 D9PFJ       | -        | -         | • | • | • |
| <b>Micron</b>       | MT16JTF25664AZ-1G4F1      | 2GB          | DS | Micron    | 9KF27D9KPT        | 9        | -         | • | • | • |
| <b>Micron</b>       | MT16JTF51264AZ-1G4D1      | 4GB          | DS | Micron    | OLD22D9LGK        | -        | -         | • | • | • |
| <b>NANYA</b>        | NT4GC64B8HG0NF-CG         | 4GB          | DS | NANYA     | NT5CB256M8GN-CG   | -        | -         | • | • | • |
| <b>PSC</b>          | AL7F8G73F-DJ2             | 1GB          | SS | PSC       | A3P1GF3FGF        | -        | -         | • | • | • |
| <b>PSC</b>          | AL8F8G73F-DJ2             | 2GB          | DS | PSC       | A3P1GF3FGF        | -        | -         | • | • | • |
| <b>SAMSUNG</b>      | M378B2873FHS-CH9          | 1GB          | SS | SAMSUNG   | K4B1G0846F        | -        | -         | • | • | • |
| <b>SAMSUNG</b>      | M378B5773DH0-CH9          | 2GB          | SS | SAMSUNG   | K4B2G0846D        | -        | -         | • | • | • |
| <b>SAMSUNG</b>      | M378B5673FH0-CH9          | 2GB          | DS | SAMSUNG   | K4B1G0846F        | -        | -         | • | • | • |
| <b>SAMSUNG</b>      | M378B5273CH0-CH9          | 4GB          | DS | SAMSUNG   | K4B2G0846C        | -        | -         | • | • | • |
| <b>SAMSUNG</b>      | M378B1G73AH0-CH9          | 8GB          | DS | SAMSUNG   | K4B4G0846A-HCH9   | -        | -         | • | • | • |
| <b>Super Talent</b> | W1333UA1GH                | 1GB          | SS | Hynix     | H5TQ1G83TFR       | 9        | -         | • | • | • |
| <b>Super Talent</b> | W1333UX2G8(XMP)           | 2GB(2x 1GB)  | SS | -         | -                 | 8        | -         | • | • | • |
| <b>Super Talent</b> | W1333UB2GS                | 2GB          | DS | SAMSUNG   | K4B1G0846F        | 9        | -         | • | • | • |
| <b>Super Talent</b> | W1333UB4GS                | 4GB          | DS | SAMSUNG   | K4B2G0846C        | -        | -         | • | • | • |
| <b>Super Talent</b> | W1333UX6GM                | 6GB(3x 2GB)  | DS | Micron    | 0BF27D9KPT        | 9-9-9-24 | 1.5V      | • | • | • |
| <b>Transcend</b>    | JM1333KLN-2G              | 2GB          | SS | Micron    | 0YD77D9LGK        | -        | -         | • | • | • |
| <b>Transcend</b>    | JM1333KLN-2G              | 2GB          | SS | Hynix     | H5TQ2G83BZRH9C    | -        | -         | • | • | • |
| <b>Transcend</b>    | JM1333KLU-2G              | 2GB          | DS | Transcend | TK243PDF3         | -        | -         | • | • | • |
| <b>Transcend</b>    | TS256MLK64V3U             | 2GB          | DS | Micron    | 9GF27D9KPT        | -        | -         | • | • | • |
| <b>Century</b>      | PC3-10600 DDR3-1333 9-9-9 | 1GB          | SS | NANYA     | NT5CB128M8DN-CF   | -        | -         | • | • | • |
| <b>Elixir</b>       | M2F2G64CB88D7N-CG         | 2GB          | SS | Elixir    | N2CB2G80DN-CG     | -        | -         | • | • | • |

|                  |                       |     |    |            |                            |          |      |   |   |   |
|------------------|-----------------------|-----|----|------------|----------------------------|----------|------|---|---|---|
| Elixir           | M2F2G64CB88G7N-CG     | 2GB | SS | Elixir     | N2CB2G80GN-CG              | -        | -    | • | • |   |
| Elixir           | M2F4G64CB8HB5N-CG     | 4GB | DS | Elixir     | N2CB2G80BN-CG              | -        | -    | • | • | • |
| Elixir           | M2F4G64CB8HD5N-CG     | 4GB | DS | Elixir     | N2CB2G80DN-CG              | -        | -    | • | • |   |
| KINGSHARE        | KSRPCD313332G         | 2GB | DS | PATRIOT    | PM128M8D385-15             | -        | -    | • | • | • |
| KINGSTEK         | KSTD3PC-10600         | 2GB | SS | MICRON     | PE911-125E                 | -        | -    | • | • |   |
| Kingtiger        | 2GB DIMM PC3-10666    | 2GB | DS | SAMSUNG    | SEC 904 HCH9<br>K4B1G0846D | -        | -    | • | • | • |
| MARKVISION       | BMD32048M1333C9-1123  | 2GB | DS | MARKVISION | M3D1288P-13                | -        | -    | • | • | • |
| MARKVISION       | BMD34096M1333C9-1124  | 4GB | DS | MARKVISION | M3D2568E-13                | -        | -    | • | • | • |
| PATRIOT          | PSD31G13332H          | 1GB | DS | -          | -                          | 9        | -    | • | • |   |
| PATRIOT          | PSD31G13332           | 1GB | DS | PATRIOT    | PM64M8D38U-15              | -        | -    | • | • |   |
| PATRIOT          | PSD32G13332H          | 2GB | DS | -          | -                          | -        | -    | • | • | • |
| RAMAXEL          | RMR1870ED48E8F-1333   | 2GB | DS | ELPIDA     | J1108BDBG-DJ-F             | -        | -    | • | • | • |
| RAMAXEL          | RMR1870EC58E9F-1333   | 4GB | DS | ELPIDA     | J2108BCSE-DJ-F             | -        | -    | • | • | • |
| RIDATA           | C304627CB1AG22Fe      | 2GB | DS | RiDATA     | N/A                        | 9        | -    | • | • | • |
| RIDATA           | E304459CB1AG32Cf      | 4GB | DS | RiDATA     | N/A                        | 9        | -    | • | • | • |
| SILICON<br>POWER | SP001GBLTU133S01      | 1GB | SS | NANYA      | NT5CB128M8AN-CG            | 9        | -    | • | • | • |
| SILICON<br>POWER | SP001GBLTU133S02      | 1GB | SS | Elixir     | N2CB1680AN-C6              | 9        | -    | • | • | • |
| SILICON<br>POWER | SP002GBLTU133S02      | 2GB | DS | Elixir     | N2CB1680AN-C6              | 9        | -    | • | • | • |
| TAKEMS           | TMS1GB364D081-107EY   | 1GB | SS | -          | -                          | 7-7-7-20 | 1.5V | • | • |   |
| TAKEMS           | TMS1GB364D081-138EY   | 1GB | SS | -          | -                          | 8-8-8-24 | 1.5V | • | • |   |
| TAKEMS           | TMS2GB364D081-107EY   | 2GB | DS | -          | -                          | 7-7-7-20 | 1.5V | • | • |   |
| TAKEMS           | TMS2GB364D081-138EY   | 2GB | DS | -          | -                          | 8-8-8-24 | 1.5V | • | • |   |
| TAKEMS           | TMS2GB364D082-138EW   | 2GB | DS | -          | -                          | 8-8-8-24 | 1.5V | • | • |   |
| UMAX             | E41302GP0-73BDB       | 2GB | DS | UMAX       | U2S24D30TP-13              | -        | -    | • | • | • |
| WINTEC           | 3WVS31333-2G-CNR      | 2GB | DS | AMPO       | AM3420803-13H              | -        | -    | • | • | • |
| HMD              | HMDD302GU648S1B9C-MEX | 2GB | SS | ERTH       | 256X8DDR3 WT               | -        | -    | • | • |   |
| HMD              | HMDD304GU648S1B9C-MEX | 4GB | SS | UUJK       | 512X8DDR3 WT               | -        | -    | • | • |   |
| HMD              | HMDD308GU648D1B9C-MEX | 8GB | DS | FFCT       | 512X8DDR3 WT               | -        | -    | • | • |   |

## P8Z77-V LX

### 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  | CT12864BA1067.8FF  | 1GB  | SS    | Micron     | 9GF22D9KPT     | 7      | -                  | •                              | •      | •      |
| Crucial  | CT25664BA1067.16FF | 2GB  | DS    | Micron     | 9HF22D9KPT     | 7      | -                  | •                              | •      | •      |
| ELPIDA   | EBJ10UE8EDF0-AE-F  | 1GB  | SS    | ELPIDA     | J1108EDSE-DJ-F | -      | 1.35V(low voltage) | •                              | •      | •      |
| ELPIDA   | EBJ21UE8EDF0-AE-F  | 2GB  | DS    | ELPIDA     | J1108EDSE-DJ-F | -      | 1.35V(low voltage) | •                              | •      | •      |
| KINGSTON | KVR1066D3N7/1G(矮版) | 1GB  | SS    | ELPIDA     | J1108BFSE-DJ-F | 7      | 1.5V               | •                              | •      | •      |
| KINGSTON | KVR1066D3N7/2G     | 2GB  | DS    | ELPIDA     | J1108BDSE-DJ-F | 7      | 1.5V               | •                              | •      | •      |
| KINGSTON | KVR1066D3N7/4G     | 4GB  | DS    | Hynix      | H5TQ2G83AFR    | 7      | 1.5V               | •                              | •      | •      |

|                  |                      |     |    |        |                 |   |   |   |   |   |
|------------------|----------------------|-----|----|--------|-----------------|---|---|---|---|---|
| <b>Micron</b>    | MT8JTF12864AZ-1G1F1  | 1GB | SS | Micron | 9GF22D9KPT      | 7 | - | • | • | • |
| <b>Micron</b>    | MT16JTF25664AZ-1G1F1 | 2GB | DS | Micron | 9HF22D9KPT      | 7 | - | • | • | • |
| <b>Kingtiger</b> | 2GB DIMM PC3-8500    | 2GB | DS | Hynix  | H5TQ1G83AFP G7C | - | - | • | • | • |

#### 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

-The 2400/2250/2200MHz memory modules above are supported on Intel® 3rd generation processors by this motherboard; however, the actual frequency support varied depending on the O.C. margin of the installed

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

-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.