

# Qualified Vendors List (QVL) for GA-970A-DS3P

Memory modules listed below are for reference only. Due to massive memory models on the market, we can only verify some of them.

下列的記憶體模組僅供參考，因市面上的記憶體模組眾多，我們無法一一驗證。

| DDR3 2500 (downgrade to DDR3 2000 MHz Only Support Per one channel) |                 |      |                      |       |            |                |                |              |
|---------------------------------------------------------------------|-----------------|------|----------------------|-------|------------|----------------|----------------|--------------|
| No.                                                                 | Module Supplier | Size | Module P/N.          | SS/DS | Comp. Used | Component P/N. | Single-channel | Dual-channel |
| GET25C1                                                             | GEIL            | 2GB  | GET34GB2500C9DC      | DS    |            |                | v              | v            |
| DDR3 2400 (downgrade to DDR3 2000 MHz)                              |                 |      |                      |       |            |                |                |              |
| No.                                                                 | Module Supplier | Size | Module P/N.          | SS/DS | Comp. Used | Component P/N. | Single-channel | Dual-channel |
| DDR3 2300~2333 (downgrade to DDR3 2000 MHz)                         |                 |      |                      |       |            |                |                |              |
| No.                                                                 | Module Supplier | Size | Module P/N.          | SS/DS | Comp. Used | Component P/N. | Single-channel | Dual-channel |
| GSET23C1                                                            | G.SKILL         | 2GB  | F3-19400CL9D-4GBPIS  | DS    |            |                | v              | v            |
| KET23B1                                                             | Kingston        | 1GB  | KHX2333C9D3T1K3/3GX  | SS    |            |                | v              | v            |
| KET23C1                                                             | Kingston        | 2GB  | KHX2333C9D3T1K2/4GX  | DS    |            |                | v              | v            |
| DDR3 2200~2250 (downgrade to DDR3 2000 MHz)                         |                 |      |                      |       |            |                |                |              |
| No.                                                                 | Module Supplier | Size | Module P/N.          | SS/DS | Comp. Used | Component P/N. | Single-channel | Dual-channel |
| GET22C1                                                             | GEIL            | 2GB  | GU38GB2200C9QC       | DS    |            |                | v              | v            |
| KET22C1                                                             | Kingston        | 2GB  | KHX2250C9D3T1K2/4GX  | DS    |            |                | v              | v            |
| WE22C1                                                              | Winchip         | 2GB  | DFC20BILK22A00E      | SS    |            |                | v              | v            |
| DDR3 2133 (downgrade to DDR3 2000 MHz)                              |                 |      |                      |       |            |                |                |              |
| No.                                                                 | Module Supplier | Size | Module P/N.          | SS/DS | Comp. Used | Component P/N. | Single-channel | Dual-channel |
| KET21C3                                                             | Kingston        | 2GB  | KHX2133C9AD3T1K4/8GX | DS    |            |                | v              | v            |
| DDR3 2000                                                           |                 |      |                      |       |            |                |                |              |
| No.                                                                 | Module Supplier | Size | Module P/N.          | SS/DS | Comp. Used | Component P/N. | Single-channel | Dual-channel |
| APET20C2                                                            | Apacer          | 2GB  | 78.AAGD59KD          | DS    |            |                | v              | v            |
| CET20C5                                                             | CORSAIR         | 2GB  | CMX8GX3M3A2000C9     | DS    |            |                | v              | v            |
| GSET20C3                                                            | G.SKILL         | 2GB  | F3-1600CL9T-4GBTD    | DS    |            |                | v              | v            |
| GSET20C6                                                            | G.SKILL         | 2GB  | F3-1600CL9D-4GBFLS   | DS    |            |                | v              | v            |
| SET20B1                                                             | STAREX          | 1GB  | STH100UD0814-2000A   | SS    |            |                | v              | v            |
| TA20B1                                                              | Team            | 1GB  | TXD32049M2000HC9     | SS    |            |                | v              | v            |
| KET20B1                                                             | Kingston        | 1GB  | KHX2000C9AD3T1K3/3GX | SS    |            |                | v              | v            |
| O20D1                                                               | OCZ             | 4GB  | OCZ3P2000LV8GK       | DS    |            |                | v              | v            |
| WE20C1                                                              | Winchip         | 2GB  | GDF20B28L100C9       | DS    |            |                | v              | v            |
| DDR3 1866                                                           |                 |      |                      |       |            |                |                |              |
| No.                                                                 | Module Supplier | Size | Module P/N.          | SS/DS | Comp. Used | Component P/N. | Single-channel | Dual-channel |
| CET186D1                                                            | CORSAIR         | 4GB  | CMZ8GX3M2A1866C9     | DS    |            |                | v              | v            |
| GSET186C1                                                           | G.SKILL         | 1GB  | F3-1500CL9D-4GBRH    | DS    |            |                | v              | v            |
| KET186B1                                                            | Kingston        | 1GB  | KHX1866C9D3T1K3/3GX  | SS    |            |                | v              | v            |
| KET186C1                                                            | Kingston        | 2GB  | KHX1866C9D3T1K3/8GX  | DS    |            |                | v              | v            |
| DDR3 1800                                                           |                 |      |                      |       |            |                |                |              |
| No.                                                                 | Module Supplier | Size | Module P/N.          | SS/DS | Comp. Used | Component P/N. | Single-channel | Dual-channel |
| GSET18C1                                                            | G.SKILL         | 2GB  | F3-14400CL6D-4GBFLS  | DS    |            |                | v              | v            |
| KET18C1                                                             | Kingston        | 2GB  | KHX1800C9D3T1K3/8GX  | DS    |            |                | v              | v            |
| TET18B1                                                             | Transcend       | 1GB  | TX1800KLU-20K        | SS    |            |                | v              | v            |
| DDR3 1600                                                           |                 |      |                      |       |            |                |                |              |
| No.                                                                 | Module Supplier | Size | Module P/N.          | SS/DS | Comp. Used | Component P/N. | Single-channel | Dual-channel |
| A16B1                                                               | A-DATA          | 1GB  | AX3U1600PB1G8-2P     | SS    |            |                | v              | v            |
| A16C3                                                               | A-DATA          | 2GB  | AX3U1600GB2G9-2G     | DS    |            |                | v              | v            |
| CET16B2                                                             | CORSAIR         | 1GB  | TR3X3G1600C8D        | SS    |            |                | v              | v            |
| C16C1                                                               | CORSAIR         | 2GB  | CM04GX3M2B1600C8     | DS    |            |                | v              | v            |
| CET16C4                                                             | CORSAIR         | 2GB  | CM09GX3M4A1600C8     | DS    |            |                | v              | v            |
| CET16C6                                                             | CORSAIR         | 2GB  | HX3X12G1600C9        | DS    |            |                | v              | v            |
| CET16C9                                                             | CORSAIR         | 2GB  | CMX8GX3M3A1600C9     | DS    |            |                | v              | v            |
| CET16D1                                                             | CORSAIR         | 4GB  | CMZ8GX3M2A1600C8     | DS    |            |                | v              | v            |
| CET16D2                                                             | CORSAIR         | 4GB  | CMZ8GX3M2A1600C9     | DS    |            |                | v              | v            |
| CET16D3                                                             | CORSAIR         | 4GB  | CMZ16GX3M4A1600C9    | DS    |            |                | v              | v            |
| EXET16C2                                                            | elixer          | 2GB  | M2Y2G64CB9HA9N-DG    | DS    |            |                | v              | v            |
| GET16B1                                                             | GEIL            | 1GB  | GV32GB1600C8DC       | SS    |            |                | v              | v            |
| GET16C2                                                             | GEIL            | 2GB  | GET34GB1600C7DC      | DS    |            |                | v              | v            |
| G16C1                                                               | GEIL            | 2GB  | GET38GB1600C9QC      | DS    |            |                | v              | v            |
| G16C2                                                               | GEIL            | 2GB  | GET312GB1600C9HC     | DS    |            |                | v              | v            |
| GSET16C2                                                            | G.SKILL         | 2GB  | F3-12800CL7D-4GBECO  | DS    |            |                | v              | v            |

| GS16C3    | GS KILL         | 2GB  | F3-12800CL9D-4GBXL  | DS    |            |                    | v              | v            |
|-----------|-----------------|------|---------------------|-------|------------|--------------------|----------------|--------------|
| GS16D1    | GS KILL         | 4GB  | F3-12800CL9D-8GBECO | DS    |            |                    | v              | v            |
| GS16D2    | GS KILL         | 4GB  | F3-12800CL9D-8GBRL  | DS    |            |                    | v              | v            |
| GS16D3    | GS KILL         | 4GB  | F3-12800CL7D-8GBRH  | DS    |            |                    | v              | v            |
| KET16C1   | Kingston        | 2GB  | KHX1600C9D3K36GX    | DS    |            |                    | v              | v            |
| KET16C2   | Kingston        | 2GB  | KHX1600C9D3K24GX    | DS    |            |                    | v              | v            |
| KET16C3   | Kingston        | 2GB  | KHX1600C7D3K24GX    | DS    |            |                    | v              | v            |
| KET16C4   | Kingston        | 2GB  | KHX1600C9D3T1K36GX  | DS    |            |                    | v              | v            |
| KET16C5   | Kingston        | 2GB  | KHX1600C9D3X2K24GX  | DS    |            |                    | v              | v            |
| KET16C6-C | Kingston        | 2GB  | KHX1600C9D3K24GX    | DS    |            |                    | v              | v            |
| KET16D1   | Kingston        | 4GB  | KHX1600C9D3K3120X   | DS    |            |                    | v              | v            |
| KMET16B1  | KingMax         | 1GB  | FLGD45F-B8K09       | SS    | KingMax    | KFB8FNGXF-ANX      | v              | v            |
| KMET16C1  | KingMax         | 2GB  | FLGE85F-B8MF7       | DS    |            |                    | v              | v            |
| KMET16C2  | KingMax         | 2GB  | FLGE85F-B8K09       | DS    | KingMax    | KFB8FNGXF-ANX      | v              | v            |
| KET16C1   | KINGTIGER       | 2GB  | KTG2G1600PG3        | DS    |            |                    | v              | v            |
| O16C2     | OCZ             | 2GB  | OCZ3G1600LV80K      | DS    |            |                    | v              | v            |
| O16C3     | OCZ             | 2GB  | OCZ3P1600C9ELV80K   | DS    |            |                    | v              | v            |
| O16C4     | OCZ             | 2GB  | OCZ3P1600ELV40K     | DS    |            |                    | v              | v            |
| O16C5     | OCZ             | 2GB  | OCZ3P1600LV80K      | DS    |            |                    | v              | v            |
| OET16C2   | OCZ             | 2GB  | OCZ3X1600R2LV80K    | DS    |            |                    | v              | v            |
| O16D1     | OCZ             | 2GB  | OCZ3P1600LV80K      | DS    |            |                    | v              | v            |
| MU16C1    | muahkin         | 2GB  | 905659              | DS    |            |                    | v              | v            |
| PA16B1    | PATRIOT         | 1GB  | PVT33G1600ELK       | SS    |            |                    | v              | v            |
| PA16C1    | PATRIOT         | 2GB  | P0S34G1600LLKA      | DS    |            |                    | v              | v            |
| PAET16D1  | PATRIOT         | 4GB  | PX7312G1600LLK      | DS    |            |                    | v              | v            |
| STET16C1  | SUPER TALENT    | 2GB  | WP160UX4G8          | DS    |            |                    | v              | v            |
| STET16C2  | SUPER TALENT    | 2GB  | WP160UX4G9          | DS    |            |                    | v              | v            |
| TAE16C1   | Team            | 2GB  | TXD3614M1600HC8TC-D | DS    |            |                    | v              | v            |
| TAE16C2   | Team            | 2GB  | TXD32048M1600HC8-D  | DS    |            |                    | v              | v            |
| W16B1     | Winchip         | 1GB  | GDF10B18L150C9      | SS    |            |                    | v              | v            |
| W16C1     | Winchip         | 2GB  | DFC2GBHHLG16000E    | DS    |            |                    | v              | v            |
| WE16C2    | Winchip         | 2GB  | DFC2GBHLLJ16000E    | DS    |            |                    | v              | v            |
| DDR3 1333 |                 |      |                     |       |            |                    |                |              |
| No.       | Module Supplier | Size | Module P/N.         | SS/DS | Comp. Used | Component P/N.     | Single-channel | Dual-channel |
| AP13C4    | Apacer          | 2GB  | 78.A10C6.9L1        | DS    | Apacer     | AM5D5808FEQ5B0     | v              | v            |
| AP13C5-C  | Apacer          | 2GB  | AU020FA33C9N80C     | DS    |            |                    | v              | v            |
| C13C2     | CORSAIR         | 2GB  | CMX8GX3M4A1333C9    | DS    |            |                    | v              | v            |
| C13C3     | CORSAIR         | 2GB  | CMV4GX3M2A1333C9    | SS    |            |                    | v              | v            |
| C13C4     | CORSAIR         | 2GB  | CMX8GX3M3A1333C9    | DS    |            |                    | v              | v            |
| C13C5     | CORSAIR         | 2GB  | CMX8GX3M3A1333C8    | DS    |            |                    | v              | v            |
| CR13B1    | Crucial         | 1GB  | CT12864B A1333.8FF  | SS    | Micron     | 9AF22D9KPT         | v              | v            |
| EX13C4    | elixer          | 2GB  | M2F2084C88887N-CG   | SS    | elixer     | N2CB2080BN-CG      | v              | v            |
| EX13D1    | elixer          | 4GB  | M2F4084C88888N-CG   | DS    | elixer     | N2CB2080BN-CG      | v              | v            |
| G13C1-C   | GEIL            | 2GB  | AF16H5664H2AHTCKT   | DS    |            |                    | v              | v            |
| G13D1     | GEIL            | 4GB  | GVP340B1333C95C     | DS    |            |                    | v              | v            |
| GS13D1    | GS KILL         | 4GB  | F3-10666CL9D-8GBRL  | DS    |            |                    | v              | v            |
| GS13D1    | GS KILL         | 4GB  | F3-10666CL7D-8GBRH  | DS    |            |                    | v              | v            |
| K13B1     | Kingston        | 1GB  | KVR1333D3N91G       | SS    |            |                    | v              | v            |
| K13C5     | Kingston        | 2GB  | KHX1333C9D3UK24GX   | DS    |            |                    | v              | v            |
| K13C7-C   | Kingston        | 2GB  | KVR1333D3N9/20-S-P  | DS    |            |                    | v              | v            |
| K13D1     | Kingston        | 4GB  | KVR1333D3N94G       | DS    |            |                    | v              | v            |
| KM13C2    | KingMax         | 2GB  | FLFE85F-C8KM9       | SS    | KingMax    | KFC8FNMXXF-BXX-15A | v              | v            |
| KM13D1    | KingMax         | 4GB  | FLFF85F-C8KM9       | DS    | KingMax    | KFC8FNMXXF-BXX-15A | v              | v            |
| KT13C1-C  | KINGTIGER       | 2GB  | KTG2G1333PW3        | DS    |            |                    | v              | v            |
| KT13D1-C  | KINGTIGER       | 4GB  | T10KA0C8315         | DS    |            |                    | v              | v            |
| O13B1     | OCZ             | 1GB  | OCZ3P133320K        | DS    |            |                    | v              | v            |
| O13C3     | OCZ             | 2GB  | OCZ3P1333LV40K      | DS    |            |                    | v              | v            |
| O13C5     | OCZ             | 2GB  | OCZ3P1333LV80K      | DS    |            |                    | v              | v            |
| O13C7     | OCZ             | 2GB  | OCZ3V1333LV80K      | DS    |            |                    | v              | v            |
| O13C8     | OCZ             | 2GB  | OCZ3P1333C9ELV40K   | DS    |            |                    | v              | v            |
| O13D1     | OCZ             | 4GB  | OCZ3G1333LV80K      | DS    |            |                    | v              | v            |

| P13C1     | PQI             | 2GB  | MFACR423PA0103      | DS    | PQI        | PQC3200E15R     | v              | v            |
|-----------|-----------------|------|---------------------|-------|------------|-----------------|----------------|--------------|
| PA13C1    | PA TRIOT        | 2GB  | P0S34G1333LLKA      | DS    |            |                 | v              | v            |
| S13E1     | Samsung         | 8GB  | M378B1G73AHO        | DS    |            |                 | v              | v            |
| SP13B1    | S-POWER         | 1GB  | SP001GBLTU133502    | SS    | S-POWER    | 10YT3N0 0019    | v              | v            |
| SP13C1    | S-POWER         | 2GB  | SP002GBLTU133502    | DS    | S-POWER    | 10YT3N0 0019    | v              | v            |
| T13C1     | Transcend       | 2GB  | TS256MLK64V3U       | DS    | Micron     | 9ND22 D9JNM     | v              | v            |
| T13C2     | Transcend       | 2GB  | TS256MLK64V3U       | DS    | Hynix      | H5TQ1G83AFP9C   | v              | v            |
| T13C3     | Transcend       | 2GB  | JM1333KLU-2G        | DS    | Transcend  | TK243EAF3       | v              | v            |
| TA13C1    | Team            | 2GB  | TED32048M133HC9     | DS    |            |                 | v              | v            |
| W13B1     | Winchip         | 1GB  | GDF1GB68L150C9      | DS    | Winchip    | AH648EES-13K    | v              | v            |
| W13D1     | Winchip         | 4GB  | GDF4GB28L150C9-240K | DS    |            |                 | v              | v            |
| DDR3 1066 |                 |      |                     |       |            |                 |                |              |
| No.       | Module Supplier | Size | Module P/N.         | SS/DS | Comp. Used | Component P/N.  | Single-channel | Dual-channel |
| EX10C3    | elixer          | 2GB  | M2Y2064C88HC9N-8E   | DS    |            |                 | v              | v            |
| K10B1     | Kingston        | 1GB  | KVR1066D3N770       | SS    | Kingston   | D128JJEKAPGA7U  | v              | v            |
| K10C1     | Kingston        | 2GB  | KVR1066D3N770       | DS    | Kingston   | D128JJEKAPGA7U  | v              | v            |
| K10D1     | Kingston        | 4GB  | KVR1066D3N770       | DS    | Samsung    | K4B2G0846B HCF8 | v              | v            |
| P10B1     | PA TRIOT        | 1GB  | PSD31G106681        | SS    | Micron     | 7GB12 Z9HWQ     | v              | v            |
| T10B1     | Transcend       | 1GB  | TS128MLK64V1U       | SS    | Samsung    | K4B1G0846D HCF8 | v              | v            |