# A40i eMMC Support List

**Version**      **V1.0**
**Release Date**      **2018/06/27**

# Reversion History

| Reversion | Date | Author | Check | Description |
|-----------|------|--------|-------|-------------|
| V1.0 | 2018/06/27 | | | Initial Release |
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# General Description

| Symbols for Status | | |
|---|---|---|
| **Number** | **Symbol** | **Description** |
| 1 | D/S | Datasheet Supported but need sample to full test |
| 2 | S/T | Sample full test passed and supported |
| 3 | √ | Supported and Mass Production |
| 4 | × | Not supported |
| 5 | (Blank) | Not recommended or In testing |
| **Symbols for Grade of eMMC chips** | | |
| **Number** | **Symbol** | **Description** |
| 1 | A1 | Automotive AEC-Q100 Grade1(-40~+125) |
| 2 | A2 | Automotive AEC-Q100 Grade2(-40~+105) |
| 3 | A3 | Automotive AEC-Q100 Grade3(-40~+85) |
| 4 | I | Industrial Grade |
| 5 | C | Commercial Grade |

# Support List

| Vendor | Density | Part Number | eMMC Version | Cell& Process | Pkg Size (mm) | Grade | Status | Remark |
|---|---|---|---|---|---|---|---|---|
| Micron | 8G | MTFC8GAKAJCN-1WMT | v5.0 | MLC | 11.5*13-BGA153 | | S/T | |
| | 4G | MTFC4GACAJCN-1MWT | v5.0 | MLC | 11.5*13-BGA153 | | S/T | |
| | 16G | MTFC16GAKAECN-2MWT | v5.0 | MLC | 11.5*13-BGA153 | | S/T | |
| | 32G | MTFC32GAKAECN-3MWT | v5.0 | MLC | 11.5*13-BGA153 | | S/T | |
| | | | | | | | | |
| Samsung | 16G | KLMAG2GEND-B031 | v5.0 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 32G | KLMBG4GEND-B031 | v5.0 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 8G | KLM8G1WEPD-B031 | v5.0 | TLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 16G | KLMAG2WEPD-B031 | v5.0 | TLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 32G | KLMBG4WEBD-B031 | v5.0 | TLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 64G | KLMCG8GEND-B031 | v5.0 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 8G | KLM8G1GEND-B031 | v5.0 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 64G | KLMCG8WEBD-B031 | v5.0 | TLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 4G | KLM4G1FEPD-B031 | v5.0 | MLC/16nm | 11*10-BGA153 | | S/T | |
| | 8G | KLM8G1GEME-B041 | v5.1 | MLC/14nm | 11.5*13-BGA153 | | S/T | |
| | 16G | KLMAG1JENB-B041 | v5.1 | MLC/14nm | 11.5*13-BGA153 | | S/T | |
| | 32G | KLMBG2JENB-B041 | v5.1 | MLC/14nm | 11.5*13-BGA153 | | S/T | |
| | 64G | KLMCG4JENB-B041 | v5.1 | MLC/14nm | 11.5*13-BGA153 | | S/T | |
| | 8G | KLM8G1GETF-B041 | v5.1 | MLC/14nm | 11.5*13-BGA153 | | S/T | |
| | 16G | KLMAG1JETD-B041 | v5.1 | MLC/14nm | 11.5*13-BGA153 | | S/T | |
| | 32G | KLMBG2JETD-B041 | v5.1 | MLC/14nm | 11.5*13-BGA153 | | S/T | |
| | 64G | KLMCG4JETD-B041 | v5.1 | MLC/14nm | 11.5*13-BGA153 | | S/T | |
| | 8G | KLM8G1GESD-B04P | v5.1 | MLC/16nm | 11.5*13-BGA153 | A3 | S/T | |
| | 16G | KLMAG2GESD-B04P | v5.1 | MLC/16nm | 11.5*13-BGA153 | A3 | S/T | |
| Hynix | 8G | H26M41103HPR | v5.0 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 16G | H26M52103FMR | v5.0 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 4G | H26M31001HPR | v4.5 | MLC/16nm | 11.5*13-BGA153 | | S/T | EOL |
| | 32G | H26M64103EMR | v5.0 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 8G | H26M41103HPRL | v5.0 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 8G | H26T43001HPR | v5.0 | TLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 16G | H26T55001FPR | v5.0 | TLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 32G | H26T65001EMR | v5.0 | TLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 16G | H26M52208FPR | v5.1 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 8G | H26M41204HPR | v5.1 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 32G | H26M64208EMR | v5.1 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 8G | H26M41208HPR | v5.1 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 64G | H26M78208CMR | v5.1 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 16G | H26M52208FPRI | v5.1 | MLC/1ynm | 11.5*13-BGA153 | I | S/T | |

| | 16G | THGBMBG7D4KBAIR | v5.0 | A19nm | 11.5*13-BGA153 | | S/T | EOL |
|---|---|---|---|---|---|---|---|---|
| | 32G | THGBMBG8D4KBAIR | v5.0 | MLC/A19n | 11.5*13-BGA153 | | S/T | EOL |
| | 8G | THGBMBG6D1KBAIL | v5.0 | MLC/A19n | 11.5*13-BGA153 | | S/T | EOL |
| | 16G | THGBMBG7D2KBAIL | v5.0 | MLC/A19n | 11.5*13-BGA153 | | S/T | EOL |
| | 16G | THGBMFG7C1LBAIL | v5.0 | MLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 4G | THGBMBG5D1KBAIL | v5.0 | MLC/A19n | 11.5*13-BGA153 | | S/T | |
| | 32G | THGBMFG8C2LBAIL | v5.0 | MLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 8G | THGBMFG6C1LBAIL | v5.0 | MLC/15nm | 11.5*13-BGA153 | | S/T | |
| Toshiba | 4G | THGBMDG5D1LBAIL | v5.1 | MLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 8G | THGBMHG6C1LBAIL | v5.1 | MLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 16G | THGBMHG7C1LBAIL | v5.1 | MLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 32G | THGBMHG8C2LBAIL | v5.1 | MLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 64G | THGBMHG9C4LBAIL | v5.1 | MLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 16G | THGBMAG7C2LBAW7 | v5.1 | MLC/15nm | 11.5*13-BGA153 | I | S/T | |
| | 16G | THGBMHG7C2LBAAR | v5.1 | MLC/15nm | 11.5*13-BGA153 | A3 | S/T | |
| | | | | | | | | |
| | 8G | SDIN8DR1-8G | v4.51 | TLC/1Ynm | 11.5*13-BGA153 | | S/T | |
| | 16G | SDIN8DR1-16G | v4.51 | TLC/1Ynm | 11.5*13-BGA153 | | S/T | |
| | 16G | SDIN8DE4-16G | v4.51 | MLC/19nm | 11.5*13-BGA153 | | S/T | |
| | 16G | SDIN8DE2-16G | v4.51 | MLC/19nm | 11.5*13-BGA153 | | S/T | |
| | 32G | SDIN8DE4-32G | v4.51 | MLC/19nm | 11.5*13-BGA153 | | S/T | |
| | 16G | SDIN9DW4-16G | v5.0 | MLC/19nm | 11.5*13-BGA153 | | S/T | |
| | 32G | SDIN9DW4-32G | v5.0 | MLC/19nm | 11.5*13-BGA153 | | S/T | |
| | 32G | SDIN9DS2-32G | v5.0 | TLC/1Ynm | 11.5*13-BGA153 | | S/T | Note1 |
| | 16G | SDIN9DS2-16G | v5.0 | TLC/1Ynm | 11.5*13-BGA153 | | S/T | Note1 |
| | 32G | SDINADF4-32G-L | v5.1 | TLC/1Ynm | 11.5*13-BGA153 | | S/T | Note1 |
| | 8G | SDIN9DS2-8G | v5.0 | TLC/1Ynm | 11.5*13-BGA153 | | S/T | Note1 |
| | 32G | SDINADF4-32G-H | v5.1 | TLC/15nm | 11.5*13-BGA153 | | S/T | Note1 |
| | 16G | SDINADF4-16G-H | v5.1 | TLC/15nm | 11.5*13-BGA153 | | S/T | Note1 |
| SanDisk | 8G | SDIN8DE1-8G-XI | v4.51 | MLC/1xnm | 11.5*13-BGA153 | I | S/T | |
| | 8G | SDIN8DE2-8G-XA | v4.51 | MLC/1xnm | 11.5*13-BGA153 | A3 | S/T | |
| | 8G | SDIN8DE1-8G-I | v4.51 | MLC/1xnm | 11.5*13-BGA153 | | S/T | |
| | 8G | SDIN8DE2-8G-A | v4.51 | MLC/1xnm | 11.5*13-BGA153 | | S/T | |
| | 8G | SDINBDG4-8G | v5.1 | MLC/1znm | 11.5*13-BGA153 | | S/T | |
| | 16G | SDINBDG4-16G | v5.1 | MLC/1znm | 11.5*13-BGA153 | | S/T | |
| | 32G | SDINBDG4-32G | v5.1 | MLC/1znm | 11.5*13-BGA153 | | S/T | |
| | 64G | SDINBDG4-64G | v5.1 | MLC/1znm | 11.5*13-BGA153 | | S/T | |
| | 16G | SDINBDG4-16G-H | v5.1 | MLC/1znm | 11.5*13-BGA153 | | S/T | |
| | 32G | SDINBDG4-32G-H | v5.1 | MLC/1znm | 11.5*13-BGA153 | | S/T | |
| | 32G | SDINBDA4-32G | v5.1 | 3D TLC | 11.5*13-BGA153 | | S/T | |
| | 64G | SDINBDA4-64G | v5.1 | 3D TLC | 11.5*13-BGA153 | | S/T | |
| | 16G | SDINBDG4-16G-XA | v5.1 | MLC | 11.5*13-BGA153 | A3 | S/T | |
| | | | | | | | | |

| | 8G | EMMC08G-M325 | v5.1 | MLC/15nm | 11.5*13-BGA153 | | S/T | |
|---|---|---|---|---|---|---|---|---|
| | 8G | EMMC08G-T227 | v5.0 | TLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 32G | EMMC32G-T527 | v5.0 | TLC/15nm | 11.5*13-BGA153 | | S/T | |
| Kingston | 16G | EMMC16G-T527 | v5.0 | TLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 16G | EMMC16G-M525 | v5.1 | MLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 16G | EMMC16G-TB28 | v5.1 | 3D/TLC | 11.5*13-BGA153 | | S/T | |
| | | | | | | | | |
| | 32G | NCEFEH58-32G | v4.51 | MLC/16nm | 11.5*13-BGA153 | | S/T | EOL |
| | 16G | NCEFEH58-16G | v4.51 | MLC/16nm | 11.5*13-BGA153 | | S/T | EOL |
| | 8G | NCEFES78-08G | v4.51 | TLC/21nm | 11.5*13-BGA153 | | S/T | EOL |
| | 16G | NCEFBS98-16G | v4.5 | TLC/19nm | 12*16-BGA169 | | S/T | Note2 |
| | 16G | NCEMAH59-16G | v5.0 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 32G | NCEMAH59-32G | v5.0 | MLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 16G | NCEMBS99-16G | v5.0 | TLC/19nm | 12*16-BGA169 | | S/T | |
| | 32G | NCEMBS99-32G | v5.0 | TLC/19nm | 12*16-BGA169 | | S/T | |
| | 8G | NCEFAT28-08G | v4.51 | TLC/19nm | 11.5*13-BGA153 | | S/T | Note2 |
| Foresee | 32G | NCEMBSF9-32G | v5.0 | TLC/16nm | 12*16-BGA169 | | S/T | |
| | 16G | NCEMBSF9-16G | v5.0 | TLC/16nm | 12*16-BGA169 | | S/T | |
| | 8G | NCEMASD9-08G | v5.0 | TLC/16nm | 11.5*13-BGA153 | | S/T | Note3 |
| | 16G | NCEMBD39-16G | v5.0 | MLC/15nm | 12*16-BGA169 | | S/T | |
| | 16G | NCEMAD6B-16G | v5.1 | TLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 8G | NCEMAD7B-08G | v5.0 | TLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 8G | NCEMAM6G-08G | v5.1 | MLC/15nm | 12*16-BGA169 | | S/T | |
| | 16G | NCEMASKG-16G | v5.1 | TLC/14nm | 11.5*13-BGA153 | | S/T | |
| | 16G | NCEMAD99-16G | v5.0 | | 11.5*13-BGA153 | | S/T | |
| | 32G | NCEMASLD-32G | v5.1 | | 11.5*13-BGA153 | | S/T | |
| | 16G | BSB16GCDRS4EM-01 | v4.51 | TLC/16nm | 11.5*13-BGA153 | | S/T | |
| Barun | 8G | BSA08GCDRS4EM-01 | v4.51 | TLC/16nm | 11.5*13-BGA153 | | S/T | |
| | 16G | BTA16GCFHAEET | v5.1 | TLC/15nm | 11.5*13-BGA153 | | S/T | |
| | | | | | | | | |
| | 16G | REMSAT416GDBB | v5.0 | MLC | 11.5*13-BGA153 | | S/T | |
| | 8G | REMKDM308GSBB | v5.0 | MLC | 11.5*13-BGA153 | | S/T | |
| | 16g | REMSAT416GDBB | v5.0 | TLC/A19n | 11.5*13-BGA153 | | S/T | |
| Ramaxel | 8G | REMSAT408GSBB | v5.0 | TLC/A19n | 11.5*13-BGA153 | | S/T | |
| | 8G | REMPBT808GSBB | v5.0 | TLC/15nm | 11.5*13-BGA153 | | S/T | |
| | 16G | REMPBT716GSBB | v5.0 | TLC/15nm | 11.5*13-BGA153 | | S/T | |
| | | | | | | | | |
| | 8G | 40410081B1B1W00 | v4.51 | MLC | 11.5*13-BGA153 | | S/T | |
| Spansion | 16G | 40410161B1B1W01 | v4.51 | MLC | 11.5*13-BGA153 | | S/T | |
| | | | | | | | | |
| Giga Device | 8G | GD9E8M00YNI | v5.0 | MLC | 11.5*13-BGA153 | | S/T | |
| | 4G | GD9E4M00YNI | v5.0 | MLC | 11.5*13-BGA153 | | S/T | |
| | 8G | GD9E8T00GNM-05 | v5.1 | TLC/16nm | 11.5*13-BGA153 | | S/T | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| SiS | 8G | TC008000AA | v5.0 | TLC/S16n | 11.5*13-BGA153 | | S/T | |
| | 8G | MC008000AA | v5.0 | MLC/H16n | 11.5*13-BGA153 | | S/T | |
| | 16G | MC016000AA | v5.0 | MLC/H16n | 11.5*13-BGA153 | | S/T | |
| | 32G | MC032000AA | v5.0 | MLC/H16n | 11.5*13-BGA153 | | S/T | |
| Dosilicon | 16G | FMR16C1D0A-SB | v5.0 | H3D V2 | 11.5*13-BGA153 | | S/T | |
| JSC | 32G | JSMC32BUA2HYAEA | v5.0 | H3D V2 | 11.5*13-BGA153 | | S/T | |
| | 16G | JSMC16AUA2HYAEA | v5.0 | H3D V2 | 11.5*13-BGA153 | | S/T | |
| ESSENCORE | 8G | I3E-8GTH7CMRE | | MLC/T16n | 11.5*13-BGA153 | | S/T | |

Note1: I/O not support 3.3V.

Note2: Please use the newest emmc driver and Modify sysconfig.fex let the emmc run SDR mode.

Note3: Only support PVR version 4.3 or the newer than version 4.3.

Note4:

Note5: