

Micron® Memory Support for NXP® i.MX 8M Platforms

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| Micron Memory | | i.MX 8M Processor Memory | | | | | |
|----------------|---------------------------|---|--------------------------|--|--|--------------------------|---|
| | | i.MX 8M Quad/Qual Lite i.MX 8M Dual/Dual Lite | | | i.MX 8M Plus | | |
| DRAM | Type | DDR3L | DDR4 | LPDDR4 | DDR3L | DDR4 | LPDDR4 |
| | Family | MT41K | MT40A | MT53 | MT41K | MT40A | MT53 |
| | Density | 1, 2, 4, 8Gb | 4, 8, 16Gb | 4, 8, 16, 24, 32Gb | 1, 2, 4Gb | 4, 8, 16Gb | 4, 8, 16, 24, 32Gb |
| | Configuration | x16 | x16 | x32 | x16 | x16 | x32 |
| | Package | 96-ball TFBGA | 96-ball TFBGA | 200-ball FBGA | 96-ball TFBGA | 96-ball TFBGA | 200-ball FBGA |
| | Validated PN ¹ | MT41K256M16TW-107 | MT40A512M-16LY-075:E | MT53E128M32D2DS-053 MT53E768M32D4DT-053 MT53D512M32D2DS-053 MT53D1024M32D4DT-053 | | MT40A1G16KD-062E IT:E | MT53B768M32D4NQ-062 WT:B MT53D1024M32D4DT-053 AIT:D MT53E1G32D2FW-046 IT:A MT53E1536M32D4DT-046 WT:A MT53E2G32D4DT-046 WT:A |
| | Recommended PN | MT41K256M16 MT41K512M16 | MT40A512M16 MT40A1G16 | MT53E128M32D2 MT53E256M32D2 MT53E384M32D2 MT53D512M32D2 MT53E512M32D2 MT53D768M32D2 MT53D1024M32D4 | MT41K256M16 MT41K512M16 | MT40A512M16 MT40A1G16 | MT53E128M32D2 MT53E256M32D2 MT53E384M32D2 MT53D512M32D2 MT53E512M32D2 MT53D768M32D2 MT53D1024M32D4 |
| | Qty/Board | 2 | 2 | 1 | 2 | 2 | 1 |
| NAND/ e.MMC | Type | e.MMC | | e.MMC | Parallel NAND | Serial NAND | |
| | Density | 8, 16, 32, 64, 128GB | | 8, 16, 32, 64, 128GB | 16, 64, 128, 256, 512GB | 1Gb | |
| | Configuration | x8 | | x8 | x8 | x1 | |
| | Package | 153-ball VFBGA | | 153-ball VFBGA | 132-ball VFBGA, 48 TSOP | 24-ball TBGA | |
| | Validated PN ¹ | MTFC16GAPALBH-IT | | | MT29F16G08CBACAWP:C MT29F128G08CBCEBJ4-37ITR:E MT29F128G08CFABBWP-12IT:B | MT29F1G01ABBFD12-AAT:F | |
| | Recommended PN | MTFC8GAMALBH MTFC16GAPALBH MTFC32GAPALBH MTFC64GAPALBH MTFC128GAPALBH | | MTFC8GAMALBH MTFC16GAPALBH MTFC32GAPALBH MTFC64GAPALBH MTFC128GAPALBH | MTF29 (L05B, L84A, L72A) | | |
| SPI-NOR | Type | Quad SPI | | | Quad SPI | | |
| | Family | MT25Q | | | 256Mb | | |
| | Density | 256Mb | | | 24-ball BGA (8mm x 6mm) | | |
| | Package | 24-ball BGA (8mm x 6mm) | | | MT25QU256ABA1EW7-0SIT | | |
| | Validated PN ¹ | MT25Q256ABA1EW9-0SIT ² | | | MT25QU | | |
| | Recommended PN | MT25Q | | | MT25QU | | |

1. The Micron part numbers specified are the ones validated on the board. Not all parts may be available currently. Please contact your local Micron sales representative for part availability or replacement parts if currently not available.
2. This Micron part is EOL'ed. Please contact Micron sales representative for replacement parts.

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| Micron Memory | | i.MX 8M Processor Memory | | | | | | |
|----------------|---|----------------------------|--------------------------|---|--|-------------------------|--|--|
| | | i.MX 8M Mini | | | | i.MX 8M Nano | | |
| DRAM | Type | DDR3L | DDR4 | LPDDR4 | LPDDR4 | DDR3L | DDR4 | LPDDR4 |
| | Family | MT41K | MT40A | MT53 | MT53 | MT41K | MT40A | MT53 |
| | Density | 4, 8Gb | 8, 16Gb | 4, 8, 16, 32Gb | 4, 8, 12, 16, 24, 32Gb | 4Gb | 8, 16Gb | 4, 8, 16, 32Gb |
| | Configuration | x16 | x16 | x16 | x32 | x16 | x16 | x16 |
| | Package | 96-ball TFBGA | 96-ball TFBGA | 200-ball FBGA | 200-ball FBGA | 96-ball TFBGA | 96-ball TFBGA | 200-ball FBGA |
| | Validated PN ¹ | MT41K256M-16TW-107 | MT40A512M-16LY-075:E | MT53D512M16D1DS-046 MT53E256M16D1DS-046 MT53E128M16D1DS-053 | MT53D512M32D2DS-053 | MT41K256M16TW-107 | MT40A1G16RC-062E:B MT40A1G16KD-062E:E | |
| | Recommended PN | MT41K256M16 MT41K512M16 | MT40A512M16 MT40A1G16 | MT53E128M16D1 MT53E256M16D1 MT53D512M16D1 MT53E1G16D1 | MT53E128M32D2 MT53E256M32D2 MT53E384M32D2 MT53D512M32D2 MT53E512M32D2 MT53D768M32D2 MT53D1024M32D4 | MT41K256M16 | MT40A512M16 MT40A1G16 | MT53E128M16D1 MT53E256M16D1 MT53D512M16D1 MT53E1G16D1 |
| | Qty/Board | 2 | 1/2 | 1 | 1 | 1 | 1 | 1 |
| NAND/ e.MMC | Type | e.MMC | | | | e.MMC | | |
| | Family | MTFC | | | | MTFC | | |
| | Density | 8, 16, 32, 64, 128GB | | | | 8, 16, 32, 64, 128GB | | |
| | Configuration | x8 | | | | x8 | | |
| | Package | 153-ball VFBGA | | | | 153-ball VFBGA | | |
| | Validated PN ¹ | | | | | | | |
| Recommended PN | MTFC8GAMALBH MTFC16GAPALBH MTFC32GAPALBH MTFC64GAPALBH MTFC128GAPALBH | | | | MTFC8GAMALBH MTFC16GAPALBH MTFC32GAPALBH MTFC64GAPALBH MTFC128GAPALBH | | | |
| SPI-NOR | Type | Quad SPI | | | | Quad SPI | | |
| | Family | MT25Q | | | | MT25Q | | |
| | Density | 256Mb | | | | 256Mb | | |
| | Package | 24-ball BGA (8mm x 6mm) | | | | 24-ball BGA (8mm x 6mm) | | |
| | Validated PN ¹ | MT25QU256ABA1EW7-0SIT | | | | MT25Q256ABA1EW9-0SIT | | |
| | Recommended PN | MT25QU | | | | MT25QU | | |

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| Micron Memory | | i.MX 8 Processor Memory | | |
|---------------|---------------|--|---|-------------------|
| | | i.MX 8 Quad Max, i.MX 8 Quad Plus, i.MX 8 Quad | i.MX 8 Quad X Plus, i.MX 8 Dual X Plus, i.MX 8 Dual X | |
| DRAM | Type | LPDDR4 | LPDDR4 | DDR3 |
| | Family | MT53B | MT53B | MT41K |
| | Density | 32Gb | 32Gb | 4Gb |
| | Configuration | 512 Meg x 32 | 512 Meg x 32 | 256 Meg x 16 |
| | Package | 200-ball FBGA | 200-ball FBGA | 96-ball FBGA |
| | Validated PN | MT53D1024M32D4DT-046 AAT:D | MT53D1024M32D4DT-046 AAT:D | MT41K256M16TW-093 |
| | Qty/Board | 2 | 1 | 3 |
| NAND/e.MMC | Type | e.MMC (5.0) | | |
| | Family | MTFC | | |
| | Density | 32GB | | |
| | Package | 153-ball VFBGA | | |
| | Validated PN | MTFC32GAKAEFF-AIT | | |
| NOR | Type | Xccela™ Flash (Octal SPI), Serial (Quad SPI) | | |
| | Family | MT35X, MT25T, MT25Q | | |
| | Density | 512Mb | | |
| | Package | 25-ball BGA (8mm x 6mm) | | |
| | Validated PN | MT35XU512ABA1G12-0AAT | | |

*MT41K family supports both 1.5V and 1.35V power supply and is backward compatible with MT41J family.

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Micron® Memory Support for NXP® i.MX 7M Platforms

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| Micron Memory | | i.MX 7 Processor Memory | | | | |
|---------------|---------------------------|-------------------------|-----------------|----------------------------------|---------------------|--|
| | | i.MX 7 | | | | i.MX 7 ULP |
| | | SABRE for Smart Devices | | Validation Platform | | |
| DRAM | Type | DDR3L | | LPDDR3 | | LPDDR3 |
| | Family | MT41K* | | EDFA | | MT52L |
| | Density | 4Gb | | 16Gb | | 16Gb |
| | Configuration | 256 Meg x 16 | | 512 Meg x 32 (2 rank) | | 512 Meg x 32 |
| | Package | 96-ball VFBGA | | 168-ball PoP (soldered on board) | | 168-ball PoP (soldered on PCB) |
| | Validated PN ¹ | MT41K256M16HA | | EDFA232A2PF-GD-F-D | | MT52L512M32D2PU-107 WT:B |
| | Qty/Board | 2 | | 2 | | 1 |
| NAND/e.MMC | Type | e.MMC | MLC NAND | e.MMC | SLC NAND | e.MMC (5.0) |
| | Family | MTFC | MT29F | MTFC | MT29F | MTFC |
| | Density | 8GB | 32Gb | 8GB | 32Gb | 32GB |
| | Package | 153-ball WFBGA | 48-pin TSOP | 153-ball WFBGA | 48-pin TSOP | 153-ball WFBGA |
| | Validated PN ¹ | MTFC8GACAEAM-1M WT | MT29F32G08CBADB | MTFC8GACAEAM-1M WT | MT29F32G08ABCDB14 | MTFC8GAKAJCN-1M WT |
| | Recommended PN | MTFC8GAMAL | MT29F (M83C) | MTFC8GAMAL | MT29F32G08CBADBWP | MTFC8GAMAL |
| NOR | Type | Serial (Quad SPI) | | Serial (Quad SPI) | Serial (Twin Quad) | Xccela™ Flash (Octal SPI), Serial (Quad SPI) |
| | Family | MT25Q | | MT25Q | MT25TL | MT35X, MT25T, MT25Q |
| | Density | 256Mb | | 256Mb | 512Mb | 512Mb |
| | Package | SO8W | | SO8W | SO16 | 25b BGA |
| | Validated PN ¹ | | | | M25TL512HAA1ESF0AAT | MT35XU512ABA1G12-0SITES |
| | Recommended PN | MT25Q (QLKT) | | MT25Q (QLKT) | | MT35XU MT25Q (QLKT) MT25T (QLKT) |

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Micron® Memory Support for NXP® i.MX 6M Platforms

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| Micron Memory | | i.MX 6 Processor Memory | | | | |
|---------------|---------------------------|--|-------------------------------------|-------------------|-------------------|---------------------|
| | | i.MX 6 Quad/Quad Plus, i.MX 6 Dual/Dual Plus/Dual Lite/Solo | | | i.MX 6 Solo Lite | i.MX 6 Solo X |
| | | SABRE for Automotive Infotainment | SABRE Platform for Smart Devices | Quick Start Board | Evaluation Kit | SABRE SDB |
| DRAM | Type | DDR3 | DDR3 | DDR3 | LPDDR2 | DDR3 |
| | Family | MT41K* | MT41K* | MT41K* | MT42L | MT41K* |
| | Density | 4Gb | 2Gb | 2Gb | 8Gb | 4Gb |
| | Configuration | 256 Meg x 16 | 128 Meg x 16 | 128 Meg x 16 | 256 Meg x 32 | 256 Meg x 16 |
| | Package | 96-ball TFBGA | 96-ball FBGA | 96-ball FBGA | 168-ball VFBGA | 96-ball TFBGA |
| | Validated PN ¹ | MT41J256M16RE | MT41J128M16HA | MT41J128M16HA | MT42L256M32D2LG | MT41K256M16HA-125:E |
| | Recommended PN | MT41K256M16TW | MT41K128M16JT | MT41K128M16JT | MT42L64M32D2HE | MT41K256M16TW |
| | Qty/Board | 4 | 4 | 4 | 1 | 2 |
| NAND/e.MMC | Type | Raw | e.MMC | e.MMC | e.MMC | e.MMC |
| | Family | MT29F/MTFC | MTFC | MTFC | MTFC | MTFC |
| | Density | 64Gb | 8GB | 8GB | 8GB | 8GB |
| | Package | 48-pin TSOP | 169-ball FBGA | 169-ball FBGA | 169-ball FBGA | 153-ball TFBGA |
| | Validated PN | MT29F64G08AFAAA | | | | MTFC8GLCDM |
| | Recommended PN | MT29F64G08AFAAAWP-ITZ:A MT29F64G08AECABH1-10ITZ:A | MTFC8GAMAL | MTFC8GAMAL | MTFC8GAMAL | MTFC8GAMAL |
| NOR | Type | Serial (Quad SPI) | Serial (Quad SPI) | | Serial (Quad SPI) | Serial (Quad SPI) |
| | Family | MT25Q | MT25Q | | MT25Q | MT25Q |
| | Density | 32Mb | 32Mb | | 32Mb | 256Mb |
| | Package | SO8W | SO8W | | SO8W | SO8W |

*MT41K family supports both 1.5V and 1.35V power supply and is backward-compatible with MT41J family.

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| Micron Memory | | i.MX 6 Processor Memory | | |
|---------------|---------------------------|------------------------------|-------------------------------------|-----------------------|
| | | i.MX 6 Solo RiOTBoard.ORG | i.MX 6 UL (Ultra Lite) / i.MX 6 ULL | |
| DRAM | Type | DDR3L | DDR3/L | DDR3/L |
| | Family | MT41K* | MT41K* | MT41K* |
| | Density | 4Gb | 4Gb | 4Gb |
| | Configuration | 256 Meg x 16 | 512 Meg x 8 | 256 Meg x 16 |
| | Package | 96-ball VFBGA | 76-ball TFGA | 96-ball VFBGA |
| | Validated PN ¹ | MT41K256M16HA | MT41K512M8RH | MT41K256M16TW-107:P |
| | Recommended PN | MT41K256M16TW | MT41K512M8DA | MT41K256M16TW |
| | Qty/Board | 2 | 2 | 1 |
| NAND/e.MMC | Type | e.MMC | e.MMC | MLC NAND |
| | Family | MTFC | MTFC | MT29F |
| | Density | 4GB | 8GB | 32Gb (4Gb) |
| | Package | 153-ball WFBGA | 153-ball WFBGA | 48-pin TSOP |
| | Validated PN ¹ | MTFC4GMVEA-1M WT | MTFC8GACAAAM-4M IT | MT29F32G08CBADAWP |
| | Recommended PN | MTFC8GAMALGT | MTFC8GAMALGT | MT29F32G08CBADBWP |
| NOR | Type | | Serial (Quad SPI) | Serial (Quad SPI) |
| | Family | | MT25Q, MT25T | |
| | Density | | 256Mb | 256Mb |
| | Package | | | W-PDFN-8 |
| | Validated PN ¹ | | | MT25QL256ABA1EW9-OSIT |
| | Recommended PN | | | MT25QL256ABA1EW9-OSIT |

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Micron® Memory Support for NXP® Networking Platforms

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| Micron Memory | | | Kinetis K Family Processors | | | | | | | | | |
|---------------|---------------|-------------------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|------------|---|
| | | | K80 | K70 | K60 | K50 | K40 | K30 | K20 | K10 | E, L, M, W | |
| DRAM | Type | DDR | | | | | | | | | | |
| | Family | MT46V | | | | | | | | | | |
| | Density | 256Mb–1Gb | | ✓ | ✓ | | | | | | | |
| | Configuration | x4, x8, x16 | | | | | | | | | | |
| | Package | TSOP, FBGA | | | | | | | | | | |
| NAND | Type | Raw (host ECC required) | | | | | | | | | | |
| | Family | MT29F | | | | | | | | | | |
| | Density | 128Mb–512Gb | | ✓ | ✓ | | | | | | | |
| | Package | 48-pin TSOP | | | | | | | | | | |
| NOR | Type | Serial | | | | | | | | | | |
| | Family | MT25Q | | | | | | | | | | |
| | Density | 8Mb–1Gb | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Package | Many | | | | | | | | | | |
| Xccela™ Flash | Type | Octal SPI NOR | | | | | | | | | | |
| | Family | MT35X | ✓ | | | | | | | | | |
| | Density | 256Mb–2Gb | | | | | | | | | | |
| | Package | 24-ball T-PBGA | | | | | | | | | | |

✓ Indicates the interface is compatible with the memory device.

| Micron Memory | | | | Vybrid Processors | | |
|---------------|---------------|-------------------|----------------|-------------------|-----------------|-------|
| | | | | VF6XX | VF5XX | VF3XX |
| DRAM | Type | DDR3 | LPDDR2 | | | |
| | Family | MT41K* | MT42L | ✓ | ✓ | |
| | Density | 4Gb, 8Gb | 4Gb | DDR3 and LPDDR2 | DDR3 and LPDDR2 | |
| | Configuration | x4, x8, x16 | x32, x64 | | | |
| | Package | 78-, 96-ball | 134-, 253-ball | | | |
| NAND | Type | Raw | | | | |
| | Family | MT29F | | | | |
| | Density | 128–512Gb | | ✓ | ✓ | ✓ |
| | Package | 48-pin TSOP | | | | |
| NOR | Type | Serial (Quad SPI) | | | | |
| | Family | MT25Q | | | | |
| | Density | 128Mb–2Gb | | ✓ | ✓ | ✓ |
| | Package | Many | | | | |

✓ Indicates the interface is compatible with the memory device.
*MT41K family supports both 1.5V and 1.35V power supply and is backward-compatible with MT41J family.

| Micron Memory | | i.MX RT Series | |
|---------------------------|----------------|-------------------------|----------------------------|
| | | i.MX RT 10xx/11xx | |
| DRAM | Type | SDRAM | |
| | Family | MT48LC | |
| | Density | 256Mb | |
| | Configuration | 16M x 16 | |
| | Package | 54-ball FBGA | |
| | Validated PN | MT48LC16M16A2B4-6A IT:G | |
| | Quantity/board | 1 | |
| NAND/ e.MMC | Type | SPI NAND | e.MMC (5.0/ 4.5 usage) |
| | Family | MT29F | MTFC |
| | Density | 1GB | 8GB |
| | Package | 24-ball T-PBGA | 153-ball VFBGA 11.5x13x1mm |
| | Validated PN | MT29F1G01ABAFD12-IT:F | MTFC8GAKAJCN-1M WT |
| Quad-SPI/ Parallel NOR | Type | Quad SPI | Parallel |
| | Family | MT25Q | MT28EW |
| | Density | 128Mb | 128Mb |
| | Package | W-PDFN-8 | 64-ball LBGA |
| | Validated PN | MT25QL128ABA1ESE-0SIT | MT28EW128ABA1LPC-0SIT |
| Xccela™ Flash | Type | Octal SPI NOR | |
| | Family | MT35X | |
| | Density | 28Mb–2Gb | |
| | Package | 24-ball T-PBGA 6 x 8mm | |
| | Validated PN | MT35XL512ABA2GSF-0SIT | |
| | Recommended PN | MT35XL512ABA2G12 | |

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| Micron Memory | | Automotive Processors | | |
|---------------|----------------|----------------------------------|---------------|------------------------------|
| | | ADAS Vision Processor S32V234 | | Instrument Cluster MAC57D |
| DRAM | Type | LPDDR2 | DDR3 | DDR2 |
| | Family | MT42L | MT41K | MT47H |
| | Density | 2Gb | 4Gb | 1Gb |
| | Configuration | 64M x 32 | 256 x 16 | 64M x 16 |
| | Package | 134-ball FBGA | 96-ball TFBGA | 84-ball FBGA |
| | Validated PN | MT42L64M32D1TK-18 AA | MT41K256M16TW | MT47H64M16NF-25E |
| | Quantity/board | 2 | 4 | 2 |
| NOR | Type | Serial (Twin Quad SPI) | | Serial (Quad SPI) |
| | Family | MT25TL | | MT25Q |
| | Density | 256-1024Mb | | 128-2048Mb |
| | Package | SOIC-16, 24-ball T-PBGA | | SOIC-16 |
| Xccela™ Flash | Type | Octal SPI | | Octal SPI |
| | Family | MT35X | | MT35X |
| | Density | 512Mb | | 512Mb |
| | Package | 24-ball T-PBGA | | 24-ball T-PBGA |
| | Validated PN | MT35XU512ABA1G120A-AT | | MT35XL512ABA1G120A-AT |
| NAND/e.MMC | Type | e.MMC | | |
| | Family | MTFC | | |
| | Density | 8GB | | |
| | Package | 153-ball VFBGA | | |
| | Validated PN | MTFC8GACAAAM-4M-IT | | |

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Micron® Memory Support for NXP® Networking Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

| Micron Memory | | QorIQ Processor Memory | | | | | | |
|---------------|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | | Value Tier | Mid-Range Tier | | | High-Performance Tier | | |
| | | P1010/P1014 | P2022/P2021E | P2041/P2031 | T2080/T2081 | P408X | P5020/P5040 | T4240 |
| DRAM | Type | DDR3/DDR3L | DDR3 | DDR3/DDR3L | DDR3/DDR3L | DDR3 | DDR3/DDR3L | DDR3/DDR4L |
| | Family | MT41 | MT41 | MT41 | MT41 | MT41 | MT41 | MT41 |
| | Density | 4Gb | 4Gb | 4Gb | 4Gb | 4Gb | 4Gb | 4Gb |
| | Configuration | 512 Meg x 8, 256 Meg x 16 | 512 Meg x 8, 256 Meg x 16 | 512 Meg x 8, 256 Meg x 16 | 512 Meg x 8, 256 Meg x 16 | 512 Meg x 8, 256 Meg x 16 | 512 Meg x 8, 256 Meg x 16 | 512 Meg x 8, 256 Meg x 16 |
| | Package | 78-ball, 96-ball | 78-ball, 96-ball | 78-ball, 96-ball | 78-ball, 96-ball | 78-ball, 96-ball | 78-ball, 96-ball | 78-ball, 96-ball |
| | Base PN | MT41J256M | MT41J256M | MT41J256M | MT41J256M | MT41J256M | MT41J256M | MT41J256M |
| NAND | Type | Raw (host ECC required) | Raw (host ECC required) | Raw (host ECC required) | Raw (host ECC required) | | Raw (host ECC required) | Raw (host ECC required) |
| | Family | MT29F | MT29F | MT29F | MT29F | | MT29F | MT29F |
| | Density | 128Mb–512Gb | 128Mb–512Gb | 128Mb–512Gb | 128Mb–512Gb | | 128Mb–512Gb | 128Mb–512Gb |
| | Package | 48-pin TSOP | 48-pin TSOP | 48-pin TSOP | 48-pin TSOP | | 48-pin TSOP | 48-pin TSOP |
| NOR | Type | Serial | Serial | Serial | Serial | Serial | Serial | Serial |
| | Family | MT25Q | MT25Q | MT25Q | MT25Q | MT25Q | MT25Q | MT25Q |
| | Density | 128Mb–2Gb | 128Mb–2Gb | 128Mb–2Gb | 128Mb–2Gb | 128Mb–2Gb | 128Mb–2Gb | 128Mb–2Gb |
| | Package | Many | Many | Many | Many | Many | Many | Many |
| e.MMC | Type | Managed (JEDEC STD) | Managed (JEDEC STD) | Managed (JEDEC STD) | Managed (JEDEC STD) | Managed (JEDEC STD) | Managed (JEDEC STD) | Managed (JEDEC STD) |
| | Family | MTFC | MTFC | MTFC | MTFC | MTFC | MTFC | MTFC |
| | Density | 4GB–64GB | 4GB–64GB | 4GB–64GB | 4GB–64GB | 4GB–64GB | 4GB–64GB | 4GB–64GB |
| | Package | VFBGA, TFBGA, LFBGA | VFBGA, TFBGA, LFBGA | VFBGA, TFBGA, LFBGA | VFBGA, TFBGA, LFBGA | VFBGA, TFBGA, LFBGA | VFBGA, TFBGA, LFBGA | VFBGA, TFBGA, LFBGA |
| eUSB | Type | Managed (USB) | Managed (USB) | Managed (USB) | Managed (USB) | Managed (USB) | Managed (USB) | Managed (USB) |
| | Family | MTEDC | MTEDC | MTEDC | MTEDC | MTEDC | MTEDC | MTEDC |
| | Density | 2GB–16GB | 2GB–16GB | 2GB–16GB | 2GB–16GB | 2GB–16GB | 2GB–16GB | 2GB–16GB |
| | Package | 36.9mm x 26.6mm | 36.9mm x 26.6mm | 36.9mm x 26.6mm | 36.9mm x 26.6mm | 36.9mm x 26.6mm | 36.9mm x 26.6mm | 36.9mm x 26.6mm |
| SATA SSD | Type | Managed (SATA) | | Managed (SATA) | Managed (SATA) | | Managed (SATA) | Managed (SATA) |
| | Family | MTFDD | | MTFDD | MTFDD | | MTFDD | MTFDD |
| | Density | 100GB–960GB | | 100GB–960GB | 100GB–960GB | | 100GB–960GB | 100GB–960GB |
| | Package | 2.5" drive, 7mm height | | 2.5" drive, 7mm height | 2.5" drive, 7mm height | | 2.5" drive, 7mm height | 2.5" drive, 7mm height |

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Micron® Memory Support for NXP® Networking Platforms

Save yourself time and money—Micron memory comes *validated* on NXP Platforms

| Micron Memory | | Q or IQ Processor Memory | | | |
|---------------|---------------|--------------------------|-------------------------|----------------------------|-------------------------|
| | | Value Tier | | | Mid-Range Tier |
| | | LS1020/LS1021/LS1022 | T1023/T1024 | T1020, T1022, T1040, T1042 | LS2085 |
| DRAM | Type | DDR3L | DDR3L UDIMM | DDR3L UDIMM | DDR4 UDIMM |
| | Density | 4Gb | 4GB (x72, ECC, DR) | 4GB (x72, ECC, DR) | 8GB (x72, ECC, DR) |
| | Configuration | 256 Meg x 16 | 4GB (512 Meg x 72) | 4GB (512 Meg x 72) | 1 Gig x 72 |
| | Package | 96-ball TFBGA | UDIMM (Dual Rank) | UDIMM (Dual Rank) | UDIMM (Dual Rank) |
| | Part Number | MT41K256M16TW | MT18KSF1G72AZ-1G6P1 | MT18KSF1G72AZ-1G6P1 | MTA18ASF2G72AZ-2G6E2 |
| NAND | Type | | Raw (host ECC required) | Raw (host ECC required) | Raw (host ECC required) |
| | Density | | 8Gb | 8Gb | 16Gb |
| | Package | | 48-pin TSOP | 48-pin TSOP | 48-pin TSOP |
| | Part Number | | MT29F8G08ABBCAH4 | MT29F8G08ABABAWP-ITX:B | MT29F16G08ABABA |
| NOR | Type | Serial | Serial | Serial | Serial |
| | Density | 128Mb | 512Mb | 512Mb | 512Mb |
| | Package | SO16, 24-ball TBGA | SO16, 24-ball TBGA | SO16, 24-ball TBGA | SO16, 24-ball TBGA |
| | Part Number | MT25QL128 | MT25QL512 | MT25QL | MT25QL |
| e.MMC | Type | Managed (JEDEC STD) | | Managed (JEDEC STD) | Managed (JEDEC STD) |
| | Density | 4GB–64GB | | 4GB–64GB | 4GB–64GB |
| | Package | VFBGA, TFBGA, LFBGA | | VFBGA, TFBGA, LFBGA | VFBGA, TFBGA, LFBGA |
| | Part Number | MTFC | | MTFC | MTFC |
| SATA SSD | Type | Managed (SATA) | | Managed (SATA) | Managed (SATA) |
| | Density | 100GB–960GB | | 100GB–960GB | 100GB–960GB |
| | Package | 2.5" drive, 7mm height | | 2.5" drive, 7mm height | 2.5" drive, 7mm height |
| | Part Number | MTFDD | | MTFDD | MTFDD |

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