Macronix Flash continues to be the standard Boot Flash for Renesas RZ product evaluation boards, supported by RWW Flash.

**Features/Benefits**
- Macronix Octa/Quad SPI-Nor Flash is standard on the RZ product evaluation boards below.
  - RZ/A series: RZ/A1H, RZ/A1LU, RZ/A2M, RZ/A3UL
  - RZ/T series: RZ/T1, RZ/T1M, RZ/T2M
  - RZ/N series: RZ/N1D, RZ/N1L, RZ/N1S, RZ/N2L
  - RZ/G series: RZ/G2L, RZ/G2UL, RZ/G2LC (Under Preparation)
- MX25 / 66 LW / UW series support Macronix’s original RWW (Read-while-write) function.
- It is an indispensable function to realize OTA function that updates various data on the network in the future, be able to write to other banks while executing the program from an external.

**Diagrams/Graphics**
- Updates can be carried out while application is actively running from Flash.
- Always have original firmware to roll back. Guaranteed no vehicle downtime regardless of update errors.

**Target Markets and Applications**
- OTA

Innovating for Today and Tomorrow

Macronix, a leading integrated device manufacturer in the Non-Volatile Memory (NVM) market, provides a full range of NOR Flash, NAND Flash, and ROM products. With its world-class R&D and manufacturing capability, Macronix continues to deliver high-quality, innovative and performance driven products to its customers in the consumer, communication, computing, industrial, automotive, networking and other segment markets.

Macronix is one of the very few suppliers offering a wide range of Serial NOR Flash products from 512Kbit to 2Gbit densities. We also provide Flash products with extremely small packages and very thin packages for space-constrained applications to meet the market trend. In addition, we have launched our 19-nanometer NAND Flash and e•MMC™ product family, which are ideal for embedded applications demanding higher quality and reliability.

Macronix owns one 12-inch wafer fab (Fab 5) and one 8-inch wafer fab (Fab 2). Macronix designs and fabricates its nonvolatile memory products in Fab 5 & Fab 2.

**COMPREHENSIVE PRODUCT PORTFOLIO**

**HIGHLIGHT PRODUCTS**

- **ArmorFlash**
  - High Reliability & Longevity
  - The Optimum Solution for Gigabit Flash Memory
  - AEC-Q100 Compliant
  - NIST Cryptographic Algorithm Validation Program

- **LybraFlash**
  - High Performance
  - Power Saving & Simple System Design

- **OctaBus Memory**
  - Extreme Speed: 250 MByte/s with 500 MB/s
  - Power “Instant-on” GUV Application

- **Ultra Low Vcc**
  - Wide Range Vcc 1.65 – 3.6V
  - Ultra Low Vcc 1.2 V

---

*Note: e•MMC™ is the trademark of JEDEC/MMCA.*