

MR5A16A 32Mb Toggle MRAM

PERSISTENCE – PERFORMANCE – ENDURANCE - RELIABILITY

Everspin's new 32Mb Toggle MRAM is twice the capacity of our current industry leading 16Mb. All of the proven benefits of Toggle are now available in an even higher density device.

Requirements for persistent storage with unlimited cycling of critical data continues to increase in many industrial segments. Whether it be configuration data or data logging, bandwidth and performance are pushing beyond the previous 16Mb capacity limits. Add headroom and future proofing of your application by designing in the MR5A16A 32Mb device.



Key Features

- **Density:** 32Mb
- **Interface:** Parallel 16 bit (x16)
- **Temperature Range:** Commercial, Industrial, Automotive
- **Access Times:** 35ns Read/Write speed
- **Endurance:** Unlimited
- **Power:** 600mW
- **Persistence:** Data retained on power loss
- **Data Retention:** Data non-volatile with 20 years retention
- **Package:** RoHS compliant, 48-pin BGA, 54-pin TSOP2

The Industry's most durable, highest performance persistent memory



Persistent Memory

32Mb
Capacity



Fast Performance

35ns Access
Read or Write



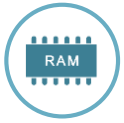
Data Retention

20 Years
Reliability



Data Endurance

Unlimited / No Wear-out
Reads and Writes



Read/Write Size

Byte Level Access



Extended Temps

-40°C to +85°C



Design Flexibility

Parallel (x16) Interface



System Flexibility

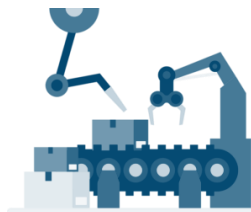
TSOP, BGA
Device Packages

Applications that need a higher density option while maintaining the proven benefits of Everspin's Toggle MRAM

Gaming/Medical



Industrial/IoT



Military/Aero



The MR5A16B 32Mb Toggle MRAM is available now. Contact Everspin, your local distributor or sales representative for more information and sample availability.