The EMD3D064M08 64Mb DDR3 Spin-Torque MRAM is a memory that offers non-volatility and high endurance at DDR3 speeds. The device is capable of DDR3 operation at rates of up to 800MT/sec/pin. It is designed to comply with all DDR3 DRAM features with some timing differences that are unique to Spin-Torque MRAM.

With Spin-Torque MRAM technology, cell refresh is not required, which greatly simplifies system design and reduces overhead.

All control and address inputs are synchronized with a pair of externally supplied differential clocks, with input latching at clock crosspoints. I/Os are synchronized with a pair of bidirectional strobes (DQS, DQS̅). The device uses a RAS/CAS multiplexing scheme and operates at 1.5V.

For more information contact Everspin here.