Maximizing Throughput

Micron® RealSSD™ P300 Solid State Drives

P300 Series for Enterprise Servers

Our RealSSD™ P300 drives are the industry's first enterprise-class SSDs to leverage the SATA 6 Gb/s interface, providing stellar performance and low latency for enterprise servers, system storage, and blade servers. Built with our high-endurance SLC NAND and optimized NAND management algorithms, the P300 drives achieve sequential read speeds of up to 360 MB/s and up to 45K random write IOPs—the highest of any SATA-based SSD on the market.**

In addition to product advantages, we also offer unique NAND supplier advantages. Because we're a NAND manufacturer with direct control over the memory design, process, and supply—you get the best that our product innovations, test and compatibility tools, and integrated support structure have to offer.

P300 Features

- 50GB, 100GB, and 200GB*
- Random READ: up to 60K IOPs
- Random WRITE: up to 45.2K IOPs
- High endurance: 3.5PB TBW (200GB drive)
- Micron SLC NAND
- SATA 6 Gb/s interface
- Backward compatible to SATA 3 Gb/s interface
- Industry-standard 2.5-inch form factor
- Drop-in replacement for existing HDDs
- High-efficiency NAND management algorithms

 * 1GB = 1 billion bytes; formatted capacity is less.
** Competitive comparison figures are based on independent benchmarks performed by Calypso Systems, Inc.

REAL SSD

micron.com/realssd

5 Reasons Micron SSDs Are Right for Enterprise Applications

1. Performance
Improves system response time for low-latency workloads. Delivers up to 15X better write IOP performance than a leading competitor's SSD.**

2. Durability
Uses enterprise-grade SLC NAND and optimized firmware to achieve impressive endurance.

3. Compatibility
Complies with SATA 6 Gb/s, making it an easy-to-adopt, drop-in HDD replacement, which increases design flexibility and speeds time to market.

4. Low Power
Consumes significantly less power than a typical enterprise HDD and requires almost zero cooling.

5. NAND Expertise
Leverages Micron's proven quality and test capabilities to provide best-in-class drive reliability and performance.

Micron®