

# MICRON® S600 SERIES SAS SSD

SAS

1.8"

2.5"



## The Solution for Critical Applications

When your organization runs on information, you need the assurance that the data is always available. Nothing beats the proven reliability of Micron® SAS solutions. The newest addition to the enterprise portfolio, the Micron S600 Series of SAS SSDs, delivers enterprise-hardened reliability and the resiliency and dependability of SAS, along with unmatched flexibility in terms of capacity and endurance options to meet any workload.

Our S600 Series SAS SSDs provide critical features required such as dual-port redundancy, encryption, counterfeiting measures, and secure erase capabilities, as well as top-notch performance to ensure that your demanding enterprise applications are not only fast, but also secure. Micron provides world-class support and proven quality and reliability that can only be offered by a truly vertically integrated SSD supplier.

## KEY BENEFITS

### Comprehensive Security

Provides TCG enterprise, secure download and diagnostics (SD&D) and optional FIPS 140-2 validation.

### Unmatched Reliability

Delivers peace of mind with an enterprise-hardened, reliable SAS architecture plus enterprise-class data protection features.

### Unprecedented Performance

12 Gb/s SAS provides a direct replacement for 15K and 10K SAS HDDs with performance up to 200,000 IOPS.

### Ultimate Flexibility

Offers class-leading write endurance for superior drive life in mixed-workload and virtualized environments.

### Improved Cost of Ownership

Combines low average power consumption and optimized performance to provide the high level of power efficiency that data center customers require.

## WHICH APPLICATIONS ARE THE BEST FIT?



DATABASE  
MANAGEMENT

★★★



HIGH-PERFORMANCE  
COMPUTING

★★★



VIRTUALIZED  
ENVIRONMENTS

★★★



BIG DATA

★★★



CONTENT  
DELIVERY

★★★

*Feature-rich S600DC Series SAS SSDs deliver enhanced performance and reliability to your mission-critical applications.*

★ GOOD

★★ BETTER

★★★ BEST



# MICRON<sup>®</sup> S600 SERIES SAS SSD

SAS

1.8"

2.5"

Key Specifications				
SSD Type	S655DC <sup>1</sup>	S650DC <sup>1,2</sup>	S630DC <sup>1</sup>	S610DC <sup>1</sup>
Capacity <sup>3</sup>	200, 400GB	400, 800, 1600, 3200GB	400, 800, 1600, 3200GB 480, 960, 1920, 3840GB	1920, 3840GB
Interface	12 Gb/s dual-port serial attached SCSI (SAS)			
Endurance class (DWPD)	25	10	2-3	1
Endurance – Total bytes written	8-17PB	7-58PB	2.1-21PB	2.8-5.6PB
Sequential read performance (128K)	1550-1700 MB/s	1550-1900 MB/s	1400-1850 MB/s	1600-1700 MB/s
Sequential write performance (128K)	600-850 MB/s	625-850 MB/s	490-850 MB/s	770-850 MB/s
Random read performance (4K)	200,000 IOPS	200,000 IOPS	180,000 IOPS	190,000 IOPS
Random write performance (4K)	120,000 IOPS	67,000-80,000 IOPS	20,000-30,000 IOPS	12,000-15,000 IOPS
Reliability (MTTF)	2.5M device hours			
Active power (MAX)	9W (12W)			
Flash type	Micron eMLC (16nm)			

<sup>1</sup>. All drives are available with TCG Enterprise encryption.  
<sup>2</sup>. FIPS 140-2 available on S650DC SSDs.  
<sup>3</sup>. Unformatted. 1GB = 1 billion bytes. Formatted capacity is less.

## WHY MICRON FOR SSDs?

### Worldwide NAND Flash Leadership

Micron SSD customers have the assurance of working with the world's leader in NAND Flash design. Our expertise in NAND technology sets us apart as a vertically integrated supplier with the unique ability to ensure end-to-end quality and to optimize our SSDs for our NAND components.

### Extensive Testing

Our rigorous product testing translates to predictably reliable, high-quality drives.

### Proven Start-To-Finish Quality

From component design to fabrication to the finished package device, our stringent quality requirements, significant investments in SSD test equipment, and advanced NAND management algorithms mean that reliability is literally built into every drive.

### Base Part Numbers

SAS Family	Part	Capacity	Form Factor
S655DC	MTFDJAKxxxMBW	200, 400GB	2.5in, 7mm
S650DC	MTFDJAKxxxMBS	400, 800GB	2.5in, 7mm
	MTFDJALxxxMBS	1.6, 3.2TB	2.5in, 15mm
	MTFDJAAxxxMBS	400, 800GB	1.8in, 5mm
S630DC	MTFDJAKxxxMBT	400, 480, 800, 960GB	2.5in, 7mm
	MTFDJALxxxMBT	1600, 1920, 3200, 3840GB	2.5in, 15mm
S610DC	MTFDJALxxxMBU	1920, 3840GB	2.5in, 15mm

[micron.com/ssd](http://micron.com/ssd)

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