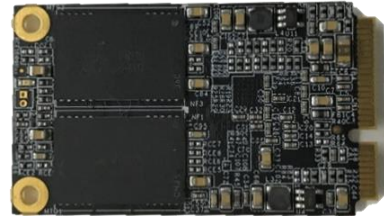


S200MI Series Industrial SSD



Introduction

The Industrial SSD S200MI series adopts the 3D NAND flash of highest quality and BGA surface-mount packaging to effectively improve R/W speed and ensure data security. S200MI optimizes the stability and has been tested according to the standard of video surveillance server. It has been applied in Hikvision video server, personal computer, and small-size proxy server and provides stable and high-speed service.

Available Models

HS-SSD-S200MI

Typical Application

- Industrial PCs
- Self-service machines
- Embedded devices

Features and Functions

- **High Read Speed**
Read speed is up to 560 MB/s.
- **High Endurance**
Adopt 3D MLC flash memory. Maximum lifespan is 126T.
- **Large Capacity**
64 GB, 128 GB, 256 GB and 512 GB models are selectable.



Specifications

Model		HS-SSD-S200MI			
Interface		SATA III 6 Gb/s, SATA II 3 Gb/s			
		mSATA			
Capacity		64 GB	128 GB	256 GB	512 GB
Max. read speed (MB/s)		434	560	560	550
Max. write speed (MB/s)		302	410	510	520
Max. read IOPS		4K	19K	32K	35K
Max. write IOPS		24K	18K	24K	19K
Dimensions		29.85 × 50.80 × 4.85 mm (1.18 × 2.00 × 0.19 in)			
Weight		≤ 10 g (0.02lb)			
MTBF (Mean Time between Failures)		2,000,000			
Power consumption	Write (RMS avg.)	1.6 W	2.1 W	2.4 W	3.5 W
	Write (RMS max.)	1.9 W	2.4 W	3.0 W	4.5 W
	Read (RMS avg.)	0.9 W	1.9 W	2.0 W	1.8 W
	Read (RMS max.)	1.3 W	2.3 W	3.0 W	2.3 W
	Idle (RMS max.)	0.3 W	0.5 W	0.5 W	0.5 W
Endurance (TBW)		23 TB	44 TB	73 TB	126 TB
DWPD (for 3 years)		0.336	0.345	0.286	0.247
NAND flash memory		3D MLC (Multi-Level Cell)			
Operation temperature		0 °C to 70 °C (32 °F to 158 °F)			
Storage temperature		-40 °C to +85 °C (-40 °F to +185°F)			
Operation humidity		5% to 90% (no condensation)			
TRIM		Supported			
SMART attributes		Supported			
Limited warranty period		3 years			

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Note: Performance test is performed in a specific testing environment. Any change of computer system, operation system, hardware, software, or functions will influence the test result.



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