

Datasheet

1.8" SATA SSD

3MG2-P series

- SATA III solution for industrial field
- High IOPS
- Intelligent error recovery system
- iSMART disk health monitoring
- iData Guard for abnormal power failure



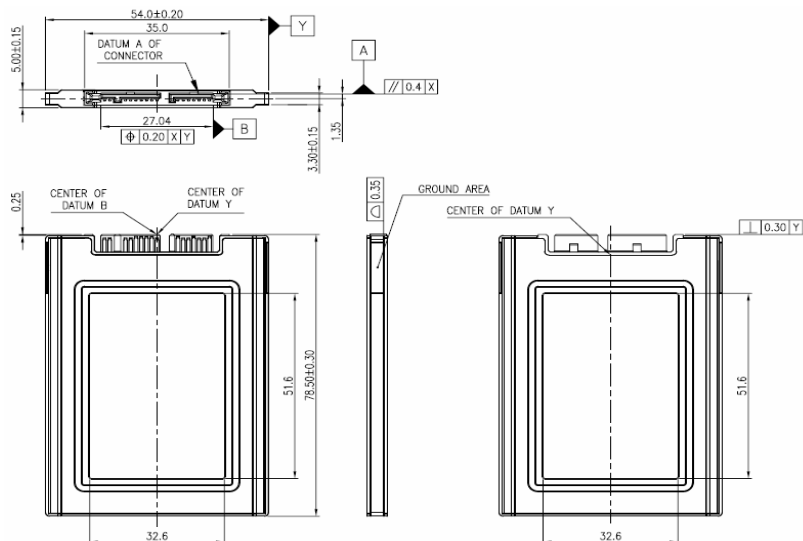
Introduction

Innodisk 1.8" SATA SSD 3MG2-P is SATA III 6Gb/s flash based disk, which delivers excellent performance, especially in random data transfer rate, and which offers reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. 1.8" SATA SSD 3MG2-P not only performs unmatched performance, but also designed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

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Drawing



Specifications

Interface	SATA III
Flash Type	MLC
Capacity	32GB-1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	520 / 450
4K Random (QD32) R/W (IOPS)*	76,000/71,000
Max. Power Consumption	5 W (5V x 1A)
Thermal Sensor	✓
External DRAM Buffer	✓
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	54.0 X 78.5 X 5.00 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours
*Performance based on CrystalDiskMark 3.03 with file size 1000MB	

Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DGS18-32GD81SCADN	DGS18-64GD81SCAQN	DGS18-A28D81SCAQN	DGS18-B56D81SCAQN	DGS18-C12D81SCAQN	DGS18-01TD81SCAQN
Industrial Grade (-40°C ~ +85°C)	DGS18-32GD81SWADN	DGS18-64GD81SWAQN	DGS18-A28D81SWAQN	DGS18-B56D81SWAQN	DGS18-C12D81SWAQN	DGS18-01TD81SWAQN