

G-Monster-V3

***2.5inch
High Speed SSD
(Solid State Drive)
Specification***

General Description

G-Monster-V3 2.5" SSD is designed to drive the shift of mobile PC users from the hard disk drive to the solid state drive. A drop-in replacement for the hard disk drive, it delivers far superior durability, performance and power efficiency - keeping mobile PCs working optimally in the toughest of conditions.

G-Monster-V3 2.5" SSD, It provides fast Read and Write speed and high reliability for high end system such as Server and Storage. Supports SLC (Single level cell) and MLC (Multi-level cell) NAND Flash memory.

G-Monster-V3 2.5" SSD delivers unbeatable durability, system performance and power efficiency.

G-Monster-V3 2.5inch high speed SSD (Solid State Drive) is based on standard Serial ATA interface. It uses SLC or MLC NAND Flash and capacity can up to 256GB. The 2.5 inch SSD give a good solution in a notebook and portable device for a storage device with a high performance, high reliability, low power consumption and a small form factor.

Key Features

- Hardware ECC and EDC for NAND Flash
- 6, 12 bytes/ sector correctable by RS mode: 8, 12, 16 bits/ sector correctable by BCH mode
- Embedded SDRAM buffer size: 64MByte
- Supports 1.5/3.0Gbps SATA I/II interface
- Fully Compliant with Serial ATA International Organization: Serial ATA Revision 2.6
- Fully Compliant with ATA/ATAPI-7 Standard
- Capacities: 32GB/64GB/128GB/256GB (MLC), 32GB/64GB/128GB (SLC)
- Data integrity under power-cycling
- Fully Compliant with RoHS directive
- CE and FCC compatibility

Specifications

Physical Specifications	
Form Factor	W : 100.00MM X D : 70.00MM X H : 9.30MM
Weight	77G~85G
Input Voltage	5V \pm 5%
Power Consumption	Operation: 300MA ~ 450MA (typical) Standby: 3MA ~ 5MA (typical)
Connector	SATA
Capacity	32GB, 64GB, 128GB, 256GB
Buffer Size	SDRAM 64MB

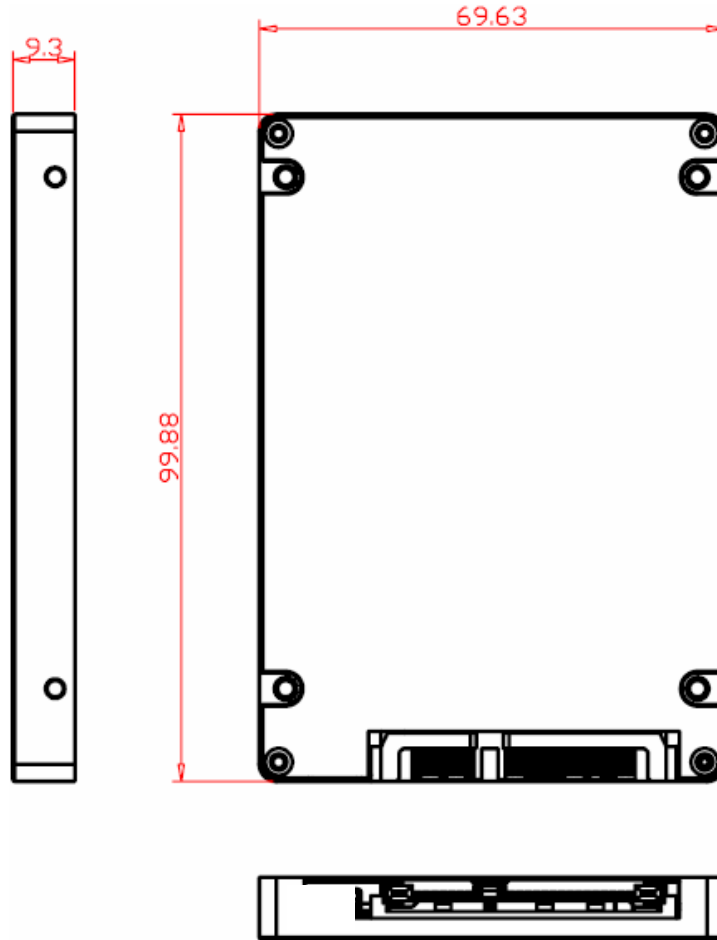
High Performance		
Transfer Modes	1.5/3.0Gbps SATA I / II	
Support NAND Flash	Both SLC & MLC flash supported	
Performance	Read	230MB/s Max. Sequential Read
	Write	160MB/s Max. Sequential Write

ENVIRONMENTAL		
Operating Temperature	0°C ~ 70°C	
Storage Temperature	-25°C ~ 85°C	
Humidity	0°C ~ 55°C / 95% RH, 10cycles	
Vibration	Operating	20% Peak
	Storage	20% Peak
Shock	Operating	1500g
	Storage	1500g

Humidity	
Operating Humidity (Non condensation)	5% to 95%
Storage Humidity (Non condensation)	5% to 95%
Reliability	
S.M.A.R.T. Support	yes
Data Retention	10 years
M.T.B.F	1,500,000 Hours
Data Reliability	High reliability based on the internal BCH 15bit, ECC (error code correction) technology

Physical Dimensions

- 2.5inch (99.88mm x 69.63mm x 9.3mm)



Revision History

Revision	History	Date	Memo
A2	Pre-Minor	2009/3/25	

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