

Datasheet

CFast

3MG2-P AES series

- SATA III solution for industrial field
- High Sequential/IOPS performance
- AES-256bits encryption
- Intelligent error recovery system
- iSMART for disk health monitoring
- iData Guard for abnormal power failure
- Wide Temperature: -40°C ~85 °C
- Supports TRIM/NCQ/SMART
- DEVSLP supported

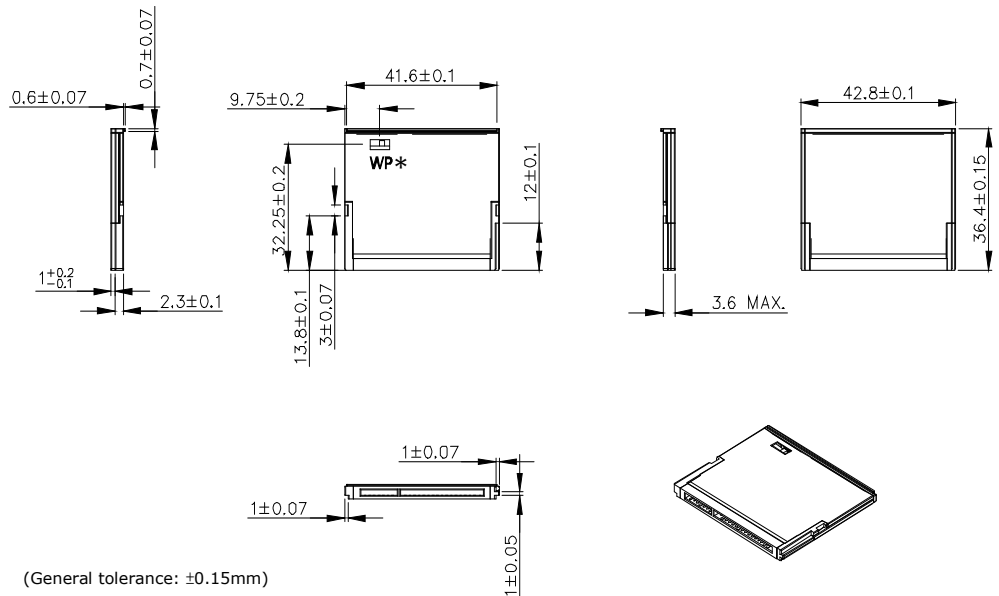


Introduction

Innodisk CFast 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. Innodisk CFast 3MG2-P is designed with AES engine, which is built-in the controller. When controller receives the data package from host, AES engine encrypts the data package and save the encrypted data into NAND flash. Thus, unauthorized personal has no access to decrypt the data in NAND flash. Innodisk CFast 3MG2-P supports several standard features, including TRIM, NCQ, and S.M.A.R.T and compliant with TCG OPAL 2.0 and IEEE 1667.

CFAST 3MG2-P AES series

Drawing



Specifications

Interface	SATA III
Flash Type	MLC
Capacity	32GB~256GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	560/340
Max. Power Consumption	2.7W (3.3V)
Thermal Sensor	✓
External DRAM Buffer	Yes
H/W Write Protect	Optional*
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	42.8X 36.4 X 3.6 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Contact us for more information about the CFAST 3MG2-P

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.

Headquarters (Taiwan)

5F., No.237, Sec. 1, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

Tel: +886-2-77033000
Email: sales@innodisk.com

Branch Offices:

USA
usasales@innodisk.com
+1-510-770-9421

Europe
eusales@innodisk.com
+31-40-3045-400

Japan
jpsales@innodisk.com
+81-3-6667-0161

China
sales_cn@innodisk.com
+86-755-21673689

www.innodisk.com

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Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DGCFA-32GD82BCADC(W)	DGCFA-64GD82BCAQC(W)	DGCFA-A28D82BCAQC(W)	DGCFA-B56D82BCAQC(W)
Industrial Grade (-40°C ~ +85°C)	DGCFA-32GD82BWADC(W)	DGCFA-64GD82BWAQC(W)	DGCFA-A28D82BWAQC(W)	DGCFA-B56D82BWAQC(W)

*H/W write protect function is optional.

(For the write protect demand, please place the order by PN: DGCFA-xxxD82BxAxCW)

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