

Datasheet

mSATA

3TG6-P series

- SATA III solution for industrial field
- High IOPS
- iSMART disk health monitoring
- AES-256 encryption
- End to end data path protection
- iData Guard for abnormal power failure
- DEVSLP supported



Introduction

Innodisk mSATA 3TG6-P is SATA III 6Gb/s solid state 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. 3TG6-P mSATA not only performs unmatched performance, but also designed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

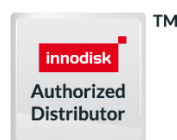
innodisk

Distributore Autorizzato per l'Italia:

Contradata Milano S.r.l.

Via Solferino 12, 20900 Monza (MB) - Italy

Tel: (+39) 039-230.14.92 | Email: info@contradata.it



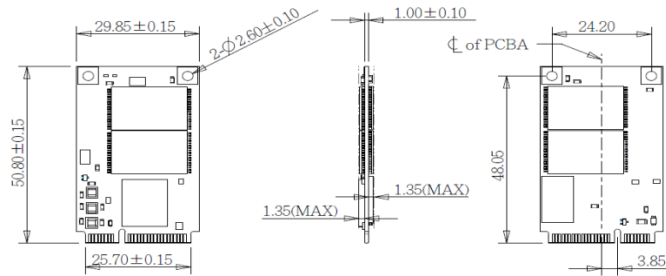
www.contradata.it

mSATA 3TG6-P series

Drawing

Contact us for more information
about the mSATA 3TG6-P

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



TOLERANCE: $\pm 0.15\text{mm}$
UNIT: mm

Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	128GB~2TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	560 / 520 MB/s
4KB Random (QD32) R/W (IOPS)*	87,000/ 75,000
Max. Power Consumption	4.8W (3.3V x 1.45 mA)
Thermal Sensor	✓
External DRAM Buffer	✓
AES encryption	optional
ATA Security	✓
S.M.A.R.T.	✓
DEVSLP Mode	✓ (min. power consumption 3mW)
Dimension (WxLxH)	29.85 X 50.80 X 3.7 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours
* Sequential performance based on CystalDiskMark 5.1.2 with file size 1000MB	

© 2021 Innodisk Corporation.
All right reserved. Specifications
are subject to change without
prior notice.

20180925

Ordering Information (Please refer to TPS for detail)

Operation Temp.	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DGMSR- A28M71%C*QF	DGMSR- B56M71%C*QF	DGMSR- C12M71%C*QF	DGMSR- 01TM71%CAQF	DGMSR- 02TM71%CAQF
Industrial Grade (-40°C ~ +85°C)	DGMSR- A28M71EW1QF	DGMSR- B56M71EW1QF	DGMSR- C12M71EW1QF	DGMSR- 01TM71EWAQF	NA

%: E: 64 layers 3D TLC; G: 96 layers 3D TLC; K: 112 layers 3D TLC / *. PCB version control

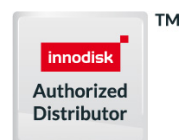
innodisk

Distributore Autorizzato per l'Italia:

Contradata Milano S.r.l.

Via Solferino 12, 20900 Monza (MB) - Italy

Tel: (+39) 039-230.14.92 | Email: info@contradata.it



www.contradata.it