

Datasheet

InnoOSR

2.5" SATA SSD 3T07

- The World's First SSD Dedicates to System Recovery
- Firmware Level Back Up to Prevent Compatibility Issue
- Supports Hardware GPIO and Software Triggering
- Reserved GPIO Pins to Accommodate your System Design



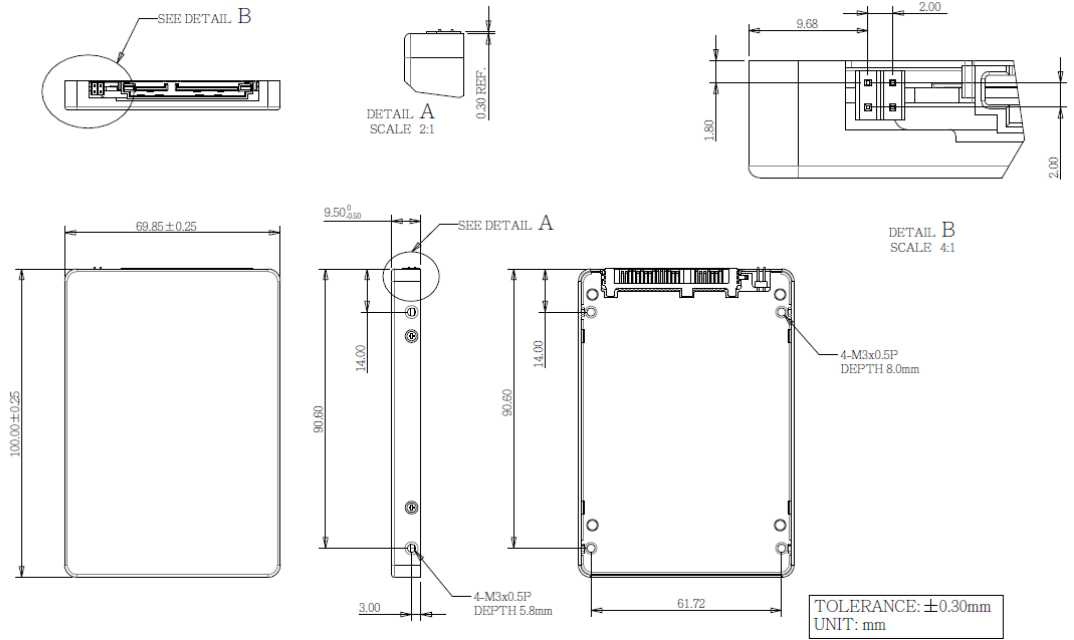
Introduction

Innodisk 2.5" SATA SSD 3T07 provides high capacity flash memory Solid State Drive (SSD) that electrically complies with Serial ATA (SATA) standard supporting up to SATA III standard (6.0Gb/s) speed and capable of achieving excellent performance with its 4 channels 4CE Innodisk ID301 controller. Besides outstanding balance of performance, rich form factors, capacity and customization flexibility, the key feature of InnoOSR family is the single-device, Firmware LBA level OS & Data back-up capability which enables on-site recovery of operating system by simple procedure such as GPIO triggering or application commands. Full Recovery, Just a Click Away.

Product Dimension

Contact us for more information about the **InnoOSR 2.5" SATA SSD 3T07**.

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.



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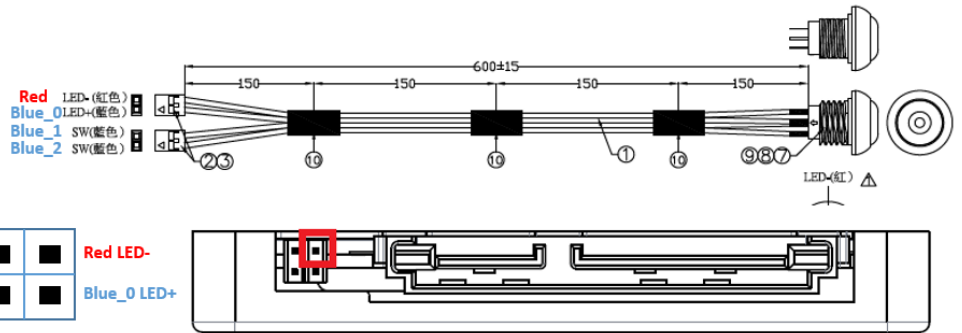
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Main feature of InnoOSR family is its OS back up and swift recovery mechanism, which allow field repair easier than ever for malfunction systems with software level damages. As shown in above picture, 2 x 2 pin headers located on the side of standard 7 + 15 pins SATA connector can be used to interact with firmware of InnoOSR device to perform OS recovery process and provide LED signal which indicates the recovery status.

Product Specification

Interface	SATA III
Flash Type	3D TLC
Capacity	32GB~2TB
Flash Endurance	3,000 P/E cycles
Max. Channels	4
Sequential R/W (MB/sec, max.)*	550 / 510 MB/s
4KB Random (QD32) R/W (IOPS)**	80,000/72,000
Max. Power Consumption	3.5W
Thermal Sensor	√
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	69.85 X 100.00 X 7.00 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C to +95°C MTBF: 3 million hours
* Performance based on CrystalDiskMark 5.1.2 with file size 1000MB	

Ordering Information

64 Layers 3D TLC		
Capacity	Standard Temperature (0°C~70°C)	Industrial Temperature (-40°C~85°C)
32GB	DUS25-32GDK1EC1SFXXG	DUS25-32GDK1EW1SFXXG
64GB	DUS25-64GDK1EC1DFXXG	DUS25-64GDK1EW1DFXXG
128GB	DUS25-A28DK1EC1QFXXG	DUS25-A28DK1EW1QFXXG
256GB	DUS25-B56DK1EC1QFXXG	DUS25-B56DK1EW1QFXXG
512GB	DUS25-C12DK1EC1QFXXG	DUS25-C12DK1EW1QFXXG
1TB	DUS25-01TDK1EC1QFXXG	DUS25-01TDK1EW1QFXXG

112 Layers 3D TLC		
Capacity	Standard Temperature (0°C~70°C)	Industrial Temperature (-40°C~85°C)
128GB	DUS25-A28DK1KCA DFXXG	DUS25-A28DK1KWAD FXXG
256GB	DUS25-B56DK1KCA QFXXG	DUS25-B56DK1KWA QFXXG
512GB	DUS25-C12DK1KCA QFXXG	DUS25-C12DK1KWA QFXXG
1TB	DUS25-01TDK1KCA QFXXG	DUS25-01TDK1KWA QFXXG
2TB	DUS25-02TDK1KCA QFXXG	DUS25-02TDK1KWA QFXXG
Note	1. XXG: 10G~30G, 60G or 90G 2. Push-button cable with green LED is with PN of 7W3000000870 and not included in above standard InnoOSR product PN but can be order separately for trial purpose	