

Datasheet

# nanoSSD

## 3IE3 series

- Compliant with JEDEC MO-276 Specification
- SATA III 6Gbps
- Supports NCQ
- Intelligent Flash management & real time garbage collection
- Supports S.M.A.R.T, and iSMART utility
- Zero mechanical interference



## Introduction

Innodisk nanoSSD is an integrated SATA storage device; it offers high performance, light weight, low power consumption and cost efficiency in a JEDEC MO-276( $\mu$ SSD) standard form factor. The nanoSSD combines with SATA III Flash controller, making it a great solution for a wide range embedded system, thin PC, automotive device, medical equipment and most industrial applications.

nanoSSD also comes with industrial level firmware design for extreme environments as well as the possibility for customized firmware to enhance the fitness in different applications.



innodisk

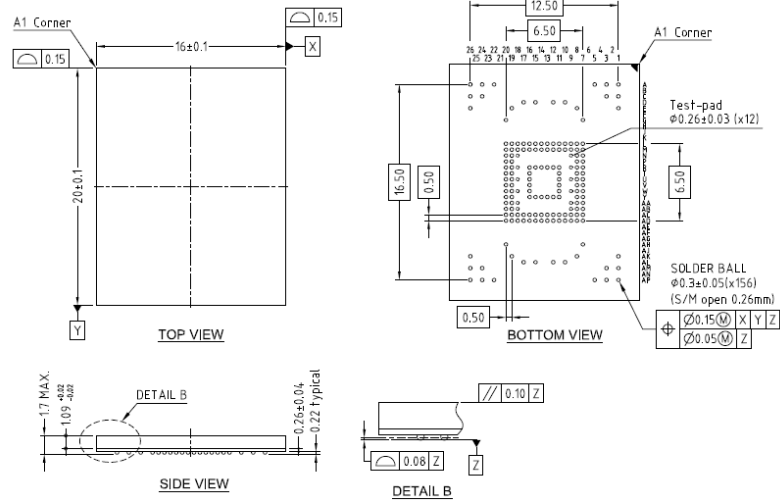
# nanoSSD

## 3IE3 series

### Drawing

Contact us for more information about the nanoSSD 3IE3

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.



## Specifications

Interface	SATA III 6Gb/s
Flash Type	iSLC
Capacity (GB)	16, 32, 64
Max. Channels	4
Sequential R/W (MB/sec, Max.)	440/260
Power rail	+3.3V, +1.8V, +1.2V $\pm 10\%$
Max. Power Consumption	2.3W
ATA Security	Supported
S.M.A.R.T.	Supported
Dimension (Max.)	16 X 20 X 1.7 mm
Environmental Specifications	Standard grade: $0^{\circ}\text{C} \sim +70^{\circ}\text{C}$ Industrial grade: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Environment	Storage Temperature: $-55^{\circ}\text{C} \sim +95^{\circ}\text{C}$ MTBF: 3 million hours
OS Support	Windows series, Linux

## Ordering Information

Operation Temp.	16GB	32GB	64GB
Standard Grade ( $0^{\circ}\text{C} \sim +70^{\circ}\text{C}$ )	DHNSD-16GD08BCADC	DHNSD-32GD08BCAQC	DHNSD-64GD08BCAQC
Standard Grade ( $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ )	DHNSD-16GD08BWADC	DHNSD-32GD08BWAQC	DHNSD-64GD08BWAQC

