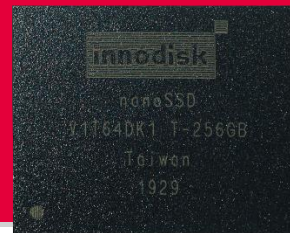


Datasheet

nanoSSD

PCIe 4TE3 series

- PCIe Gen. IV x4, NVMe 1.4
- Excellent data transfer speed
- LDPC ECC engine & internal die RAID for data protection
- End-to-end Data Path Protection
- Small BGA package form factor
- AES256



Introduction

Innodisk nanoSSD PCIe 4TE3 is an NVM Express storage device designed as the standard M.2 Type 1620 ball grid array (BGA) package form factor with PCIe interface. The nanoSSD supports PCIe Gen IV x4 within a tiny dimension, and it is compliant with NVM 1.4 providing excellent performance. Moreover, it adopts industrial 3D TLC NAND Flash providing high endurance and reliability, as well as low power consumption and high reliability. It offers an ideal solution for embedded, automotive, medical, gaming and most industrial applications.

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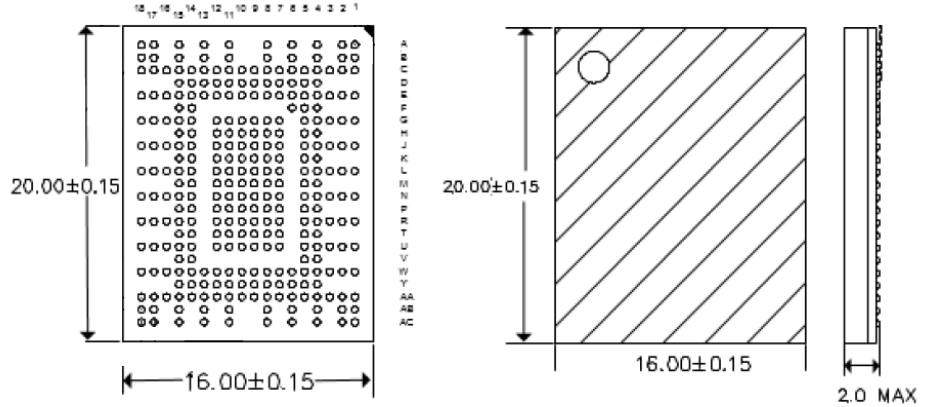
nanoSSD

PCIe 4TE3_{series}

Drawing

Contact us for more information about the nanoSSD PCIe 4TE3

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.



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Specifications

Interface	PCIe Gen. IV x4
Flash Type	3D TLC
Capacity	128GB~1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)	3,600/3,400
Power(V)	3.3/1.2/0.8
Max. Power Consumption	TBD
Thermal Sensor	√
External DRAM Buffer	-
H/W Write Protect	-
ATA Security	-
S.M.A.R.T.	√
Dimension (WxLxH)	16 X 20 X 2 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: >3,000,000 hour

Ordering Information

Operation Temp.	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	TBD	TBD	TBD	TBD
Industrial Grade (-40°C ~ +85°C)	TBD	TBD	TBD	TBD