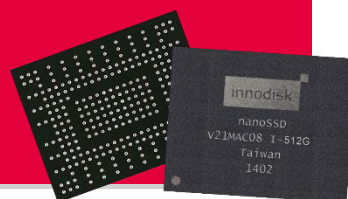


Datasheet

nanoSSD

PCIe 4TE3 series

- PCIe Gen. IV x4, NVMe 1.4
- M.2 Type 1620 form factor
- LDPC ECC engine & internal die RAID for data protection
- End-to-end Data Path Protection
- AES Encryption & TCG OPAL



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 NVMe 1.4 providing excellent performance. It offers an ideal solution for embedded, automotive, medical, gaming and most industrial applications.

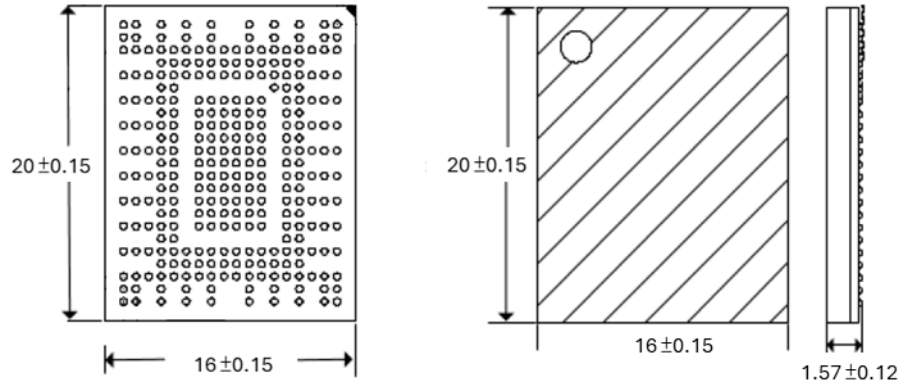
nanoSSD

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.)	3,500/3,300
Power(V)	3.3/1.2/0.8
Max. Power Consumption(W)	4.5
Thermal Sensor	✓
External DRAM Buffer	–
H/W Write Protect	–
ATA Security	–
S.M.A.R.T.	✓
Dimension (WxLxH)	16 X 20 X 1.57 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)	DENS- A28DH1KCADL	DENS- B56DH1KCAQL	DENS- C12DH1KCAQL	DENS- 01TDH1KCAQL
Industrial Grade (-40°C ~ +85°C)	DENS- A28DH1KWADL	DENS- B56DH1KWAQL	DENS- C12DH1KWAQL	DENS- 01TDH1KWAQL