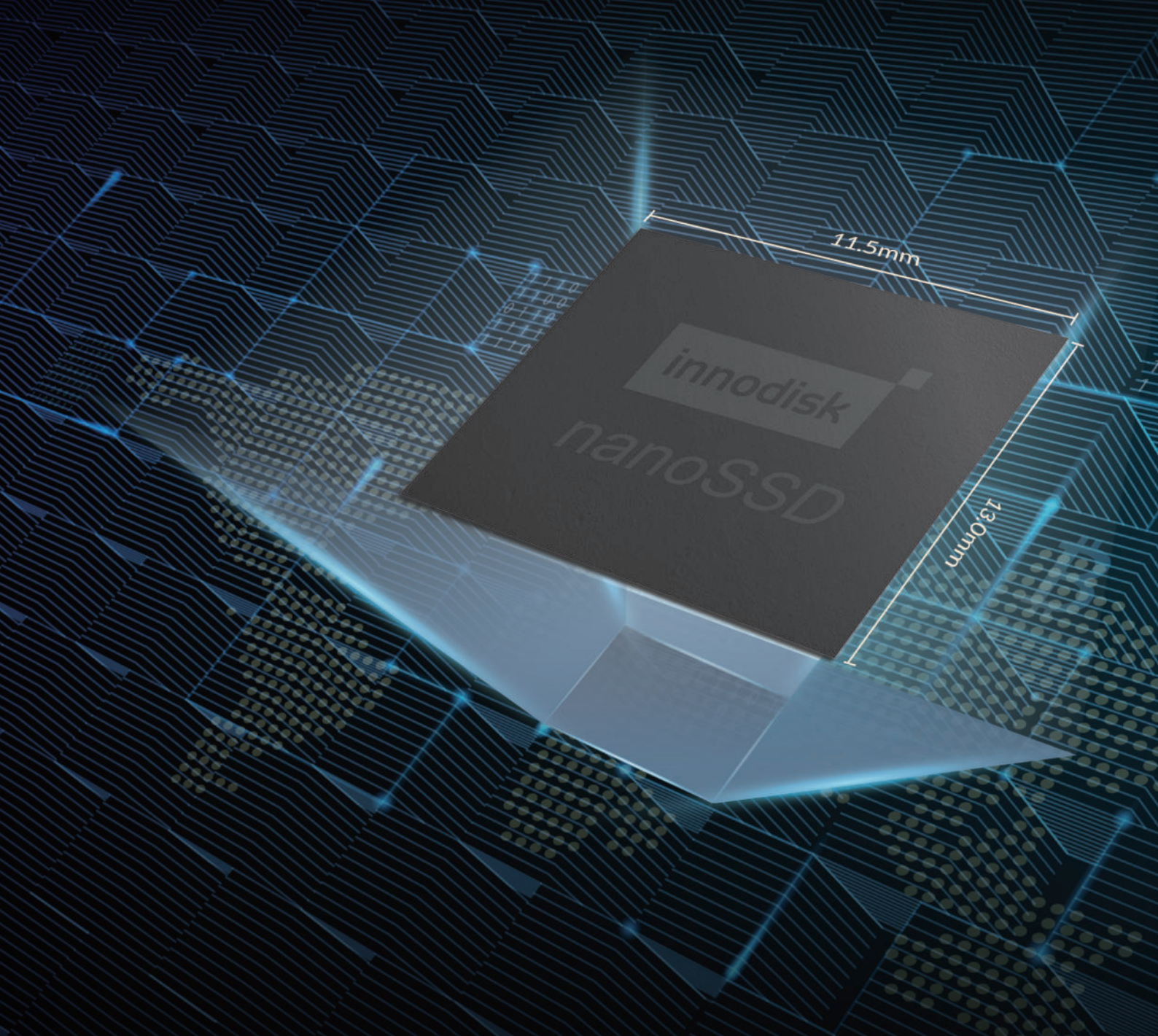




nanoSSD PCIe 3TE7 Series

**The Smallest Industrial-grade SSD in the World –
Supercharged with PCIe Gen. 3x2**

- **World's first and smallest:** the industry's first PCIe Gen. 3x2 nanoSSD (μSSD) in the PCI-SIG-defined M.2 Type 1113 BGA SSD
- **Breakneck speeds:** blistering performance with the PCIe Gen. 3x2 interface
- **Security first:** fortified with hardware-based AES-256 and TCG Opal 2.0 compliance
- **Maximum data integrity:** LDPC ECC engine and End-to-end Data Path Protection (ETEP)
- **Thoroughly tough:** zero mechanical interference and crafted from wide-temperature wafer

innodisk

Innodisk's nanoSSD PCIe 3TE7 (μSSD) series brings incredible performance to the world's smallest SSD form factor. Featuring NVMe Express 1.3 compliance, PCIe Gen. 3x2 interface, and Host Memory Buffer (HMB) function in a minimal 11.5 x 13.0 mm² ball grid array (BGA) package, the Innodisk nanoSSD PCIe 3TE7 series packs enough performance for even the most demanding applications. This performance, combined with Innodisk's advanced security and data protection technologies, make the Innodisk nanoSSD PCIe 3TE7 series the optimal choice for applications that require maximum industrial performance with a minimal footprint.

Features

- The world's first wide temperature PCIe Gen. 3x2 M.2 Type 1113 BGA SSD
- Original IC crafted from wide-temperature wafer (-40 - 85 °C)
- Compliant with NVMe 1.3 specifications
- Supports iSLC (pseudo SLC) technology
- AES-256 encryption engine and TCG Opal 2.0 compliance
- LDPC ECC engine and End-to-end Data Path Protection (ETEP)
- Host Memory Buffer (HMB) for maximum DRAM-less performance
- Unbeatable performance with SLC cache and stable performance even in extreme temperatures



Real-world Performance

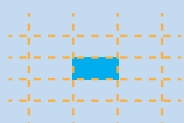
512 GB

CrystalDiskMark 6.0.2 x64	
Read [MB/s]	Write [MB/s]
Seq Q32T1	1706.4 1423.6
4K Q8T8	504.2 537.7
4K Q32T1	418.0 349.2
4K Q1T1	38.96 111.9

256 GB

CrystalDiskMark 6.0.2 x64	
Read [MB/s]	Write [MB/s]
Seq Q32T1	1770.8 1113.4
4K Q8T8	648.7 560.9
4K Q32T1	398.2 341.0
4K Q1T1	52.96 110.3

Benefits



Minimal device footprint



Low power consumption



Low package cost



Shock and vibration-resistant



High capacity and excellent performance

Up to **512 GB** capacity in a minuscule nanoSSD package