

22mm x 42mm Hardware Write Protect M.2 Module

Key Features

AD 150/002-4z 2242 M.2 modules are for use on a range of Concurrent's processor boards and carriers. The interconnection is PCI Express and uses the NVMe protocol for improved throughput and efficiency. These AD 150/002-4z modules are qualified to work reliably and are fully supported on the respective host board and offers hardware write protection for the boards that support it.

- NVMe M.2 Module
- High capacity and bandwidth
- Data at rest encryption for security
- Extended Temperature Options
- Hardware Write Protect



Storage Capacity

- Up to 1.92 Tbytes (see table below)

Host Interface

- Up to PCIe Gen4 x4
- NVMe 1.4
- Sequential Read up to 3,200 MB/s (see table below)
- Sequential Write up to 3,000 MB/s (see table below)

Power Consumption

- < 1.0W (idle), < 7.0W (active) from 3.3V +/-5% supply

Data Protection

- TCG OPAL 2.0
- AES 256 Bits Encryption

Temperature Range

- -40°C to +85°C

Form Factor

- M-Key 2242 (22x42x 3.5mm)

	AD 150/002-45	AD 150/002-46	AD 150/002-48
Stated Capacity	480GB	960GB	1.92TB
Sequential Read Speed	Up to 3,200MB/s	Up to 3,200MB/s	Up to 3,200MB/s
Sequential Write Speed	Up to 800MB/s	Up to 1,800MB/s	Up to 3,000MB/s
Write Protection	Hardware Write Protect	Hardware Write Protect	Hardware Write Protect

*Data from source material as per February 2026