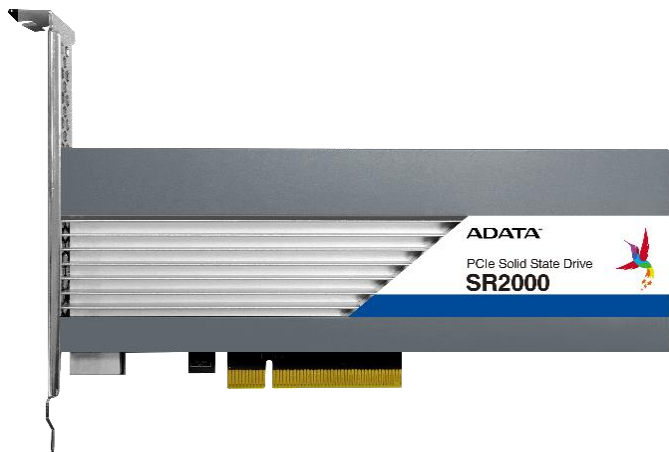


# PCIe AIC SSD

ADATA SR2000CP PCIe HHL AIC solid state drives implement 3D Enterprise NAND Flash, providing high storage capacity of up to 11TB, power efficiency, and rugged reliability. They offer superb transfer R/W rates of up to 6000/3800MB per second. With support for LDPC ECC technology, DRAM cache buffer, AIC SSDs ensure data integrity and maintain high performance. All AIC models use ADATA's proprietary firmware. With industry-leading 3D Enterprise TLC NAND Flash, AIC SSDs meet the strict requirements of data centers by offering large capacity, high performance and cost advantages. Furthermore, value-added ADATA SSD software provides scalable overprovisioning (OP) adjustment, making them well suited for different types of workload applications.

## Key Features

- 3D eTLC NAND Flash - higher capacity, durability
- Wide range of capacities from 2TB to 11TB
- Up to 1 Million IOPS, 6GB/s throughput
- S.M.A.R.T. data integrity protection
- Power failure protection
- Data path protection
- AES 256-bit data encryption
- Supports Windows TRIM command
- Supports scalable overprovisioning (OP)



## Target Applications

Enterprise servers, cloud and hyperscale computing, big data analytics, deep learning applications, high-performance software-defined storage

## Technology Support

- Data Path Protection
- AES 256-bit Data Encryption
- Scalable Overprovisioning
- Shock & Vibration Resistant
- S.M.A.R.T.
- TRIM
- Power Failure Protection



# PCIe AIC SSD

## Specifications

Model	SR2000CP
Form Factor	HHHL AIC
Interface	PCIe 3.0 x 8
Flash Type	3D eTLC
Operating Voltage	12V (±8%)
Capacity	2TB, 3.6TB, 4TB, 8TB, 11TB
Sequential Read (Max)	Up to 6.0GB/s
Sequential Write (Max)	Up to 3.8GB/s
Random Read (4KB) IOPS	Up to 1000K
Random Write (4KB) IOPS	Up to 150K
Operating Temperature	0°C to 55°C
Operating Humidity	25%-95% RH non-condensing
Power Consumption (Max)	Idle: 8W; Operating: 21W
MTBF (Est)	2,000,000 hours
Vibration Resistance	3.1G (5-800Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	167.65 x 56.15 x 18.74mm
Technologies	Power Failure Protection, AES 256-bit Data Encryption, S.M.A.R.T., TRIM
DWPD (5 years warranty)	1, 2, 3

## Ordering Information

Capacity	0°C to 55°C
2TB	ASR2000CP-002TQ
3.6TB	ASR2000CP-306TQ
4TB	ASR2000CP-004TQ
8TB	ASR2000CP-008TQ
11TB	ASR2000CP-011TQ

## Dimensions

