

ADATA Premier Pro SP310 mSATA SSD

The SP310 mSATA solid state drive is a superb option for upgrading the performance of your laptop or desktop system. It brings all the advantages of solid state storage: reduced heat & noise, low power consumption, and of course increased transfer speeds of up to 410MB/sec read and 180MB/sec write. It can be utilized as a cache drive when used in conjunction with a hard disk drive, or serve as standalone primary storage (boot drive).

Boost your System with the Full Power of SATA III

Premier Pro **SP310**



Features

- > Applicable to Intel® Smart Response Technology
- > MTBF: 1,200,000 hours
- > Complies with ATA/ATAP1-7 Standard
- > S.M.A.R.T feature supported
- > NCQ Command set supported
- > TRIM Command supported
- > 3 – Year Warranty
- > OS Compatibility: Windows 7 / 8 / XP / Vista / Mac OS X / Linux

Specifications

- > Capacity: 32/64/128GB
- > Form factor: Full size mSATA
- > NAND Flash: Multi-Level Cell (MLC) NAND Flash Memory
- > Controller: JMicron JMF-667 series
- > Dimensions: 50.95 x 30 x 4mm(L x W x T)
- > Weight: 7g
- > Interface: SATA 6Gb/sec



- > Performance(Max): Read: 410 MB/sec.
Write: 180 MB/sec.
IOPS: 45,000 (Maximum 4K Random Write)
- > Operating temperature: 0 °C - 70 °C
- > Storage temperature: -40 °C - 85 °C
- > Shock resistance: 1500G/0.5ms
- > Certification: RoHS, CE, FCC, BSMI



ADATA Premier Pro SP310 mSATA SSD

Performance Details

| Capacity | Read Speed ATTO (MB/sec) | Write Speed ATTO (MB/sec) | Read Speed CDM (MB/sec) | Write Speed CDM (MB/sec) | Maximum 4K Random Write IOPS Iometer |
|----------|--------------------------|---------------------------|-------------------------|--------------------------|--------------------------------------|
| 32GB | Up to 285 | Up to 50 | Up to 270 | Up to 45 | Up to 12000 |
| 64GB | Up to 440 | Up to 100 | Up to 430 | Up to 100 | Up to 25000 |
| 128GB | Up to 400 | Up to 180 | Up to 410 | Up to 180 | Up to 45000 |

Seq. Read & Write speed test by AS SSD Benchmark and ATTO.

Random read & write speed test by IOMeter 2010 (Queue depth of 32; write cache enabled)

IOPS Test Utility: Iometer (Queue depth of 32; write cache enabled)

The system conditions and test environment may affect test results

Packaging Information

| Weight | Dimensions | PCs/Carton | CUFT | Carton Gross Weight | Carton Dimensions |
|--------|-----------------|------------|------|---------------------|-------------------|
| 25g | 133 x 79 x 14mm | 80 | 0.97 | 3.03kg | 420 x 330 x 200mm |

Ordering Information

| Capacity | EAN Code | ADATA Part No. |
|----------|---------------|------------------|
| 32GB | 4713435798003 | ASP310S3-32GM-C |
| 64GB | 4713435798010 | ASP310S3-64GM-C |
| 128GB | 4713435798027 | ASP310S3-128GM-C |

