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 540MB/sec read and 280MB/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).

Features

● Applicable to Intel® Smart Response Technology

● MTBF: 1,200,000 hours

● Complies with ATA/ATAP1-7 Standard

● S.M.A.R.T. supported

● NCQ Command supported

●TRIM Command supported

●OS Compatibility: Windows 8 / 7 / XP / Vista
 Mac OS X / Linux

Specifications

● Capacities: 32/64/128GB/256GB

● NAND Flash Memory: Multi-Level Cell (MLC)

● Interface: SATA 6Gb/sec (SATA III)

● Controller: JMicron JMF-667 series

● Form Factor: Full size mSATA

● Dimensions: 51 x 30 x 4mm (L x W x T)

● Weight: 7g

● Max. Read/Write Performance: 540/280 MB/sec

Ordering Information

Capacity	Model Number	EAN Code
32GB	ASP310S3-32GM-C	4713435798003
64GB	ASP310S3-64GM-C	4713435798010
128GB	ASP310S3-128GM-C	4713435798027
256GB	ASP310S3-256GM-C	4712366961845

● Max. 4K Random Write: 68K IOPS

● Operating Temperature: 0~70°C

● Storage Temperature: -40~85°C

● Shock Resistance: 1500G/0.5ms

● Certifications: RoHS, CE, FCC, BSMI

● Warranty: 3 years

Performance

Capacity	Read speed ATTO(MB/sec)	Write Speed ATTO(MB/sec)	Sequential Read AS-SSD (MB/sec)	Sequential Write AS-SSD (MB/sec)	4K Random Read IOPS	4K Random Write IOPS
32GB	365	50	340	50	40,000	15,000
64GB	540	100	490	100	60,000	25,000
128GB	540	200	500	180	75,000	45,000
256GB	540	280	500	270	76,000	68,000

Dimensional Drawings