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Product Specification Sheet

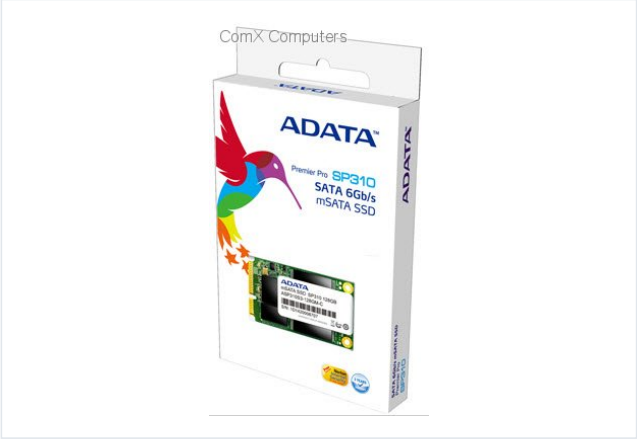
HD-AM128SP310

Adata Premier Pro SP310 128GB SATA3 (6Gb/s) mSATA Solid State Drive

Product Overview

ADATA premier pro SP310 series SSD, 25nm, 128Gb, for mSATA mobile device/ultrabook or SRT mb with mSATA slot, JMicron JMF-667 processor, SATA6G, 50.95x30x4mm, compressible data (ATTo) read: 410mb/sec; random ioPS 4K write: 45000





Specifications

Overview:

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).

Features:

SSD + HDD = Best of Both Worlds
With a SSD+HDD hybrid setup, the mSATA SSD acts as a cache drive instead of main storage. Using this configuration, systems can reach speed boosts comparable to systems with SSDs as primary drive, while still enjoying the larger storage capacities of a mechanical hard drive.

Cost-Effective System Enhancement
With a JMicron controller and Multi-Level Cell (MLC) NAND Flash chips, the SP310 delivers up to 45000 IOPS. When used in a hybrid configuration, performance is nearly that of systems using SSD as primary drive, but at a much lower cost.

Broad Hardware Compatibility
The SP310 is small and light, measuring only 50.95 x 30 x 4mm. It is applicable to many motherboards on the market that have an mSATA slot, including Z77 series motherboards (ASUS Maximus v Gene; Gigabyte G1 Sniper 3, Z77X, and Z77P, Z77, H77, P75, B75; Asrock Z77E-ITX), Z68-series motherboards (Gigabyte Z68XP-UD3, Z68XP-D3, Z68AP-D3, and Z68P-DS3), as well as laptops (Acer TM8481G; micro-GT70).

Supports Intel® Smart Response Technology
Intel Smart Response Technology (ISRT) is a caching mechanism for Z68 chipsets (Sandy Bridge-series processors), which allows a SATA Solid-State Drive (SSD) to function as cache for a mechanical hard disk drive. Setting up the Premier Pro

SP310 with ISRT is convenient and quick.

Specifications:

Capacity	128GB
Form Factor	Full size mSATA
NAND Flash	Multi-Level Cell (MLC) NAND Flash Memory
Controller	JMicron JMF-667 series
Dimensions (L x W x H)	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 degreesC - 70 degreesC
Storage temperature	-40 degreesC - 85 degreesC
Shock resistance	1500G/0.5ms

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/HD-AM128SP310-Adata-Premier-Pro-SP310-128GB-SATA3-6Gb-s-mSATA-Solid-State-Drive-p-79783.php

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