

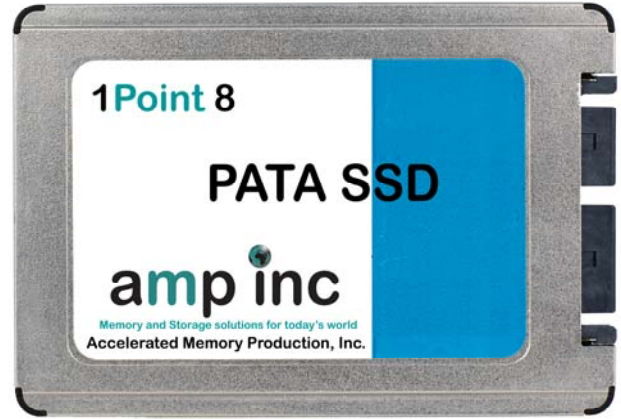


Memory and Storage Solutions for today's world  
Accelerated Memory Production, Inc.

## 1.8" PATA Solid State Drive H1-Series

amp inc's 1.8" PATA SSD (Solid State Drive) is a high performance and high reliability storage device based on NAND Flash technology that designed to solve the bottleneck of computing system by traditional hard disk drives. amp inc's 1.8" PATA SSD doesn't have a moving parts and it has a same host interface and same physical dimension with Hard Disk Drive, so it can be drop-in replaced with the hard disk drives without anything. With a high performance and low power consumption, amp inc's 1.8" PATA SSD can be a good storage device for NB and Tabletop PC.

amp inc's 1.8" PATA SSD purely consists of semiconductor devices and NAND flash memories, which give rugged features against shock and vibration, use in extreme environment such as industrial PC an increased MTBF. Furthermore, amp inc's 1.8" PATA SSD has highly advanced flash memory management algorithm to guarantee higher performance and data integrity.



<b>Based spec</b>	Interface	IDE 50Pin
	Dimension	54.0 x 74.5 x 5.0 mm
	Weight 1	62~72 g
	Capacity	8GB~256GB
	Flash type	MLC/SLC NAND
<b>Read/Write Performance</b>	Data Transfer Rate to Flash Memories	Up to 80MB/S (max)
	4KB Random Write IOPS	300
	Response Time	0.2ms
<b>Power Consumption</b>	Power Supply	3.3V ± 5%
	Idle	0.56W
	4KB Write	0.87W
<b>Reliability</b>	Write endurance: 8 years @ 100G write/day(32G)	
	Read endurance: unlimited	
	MTBF: >2,000,000 hours	
	Data retention: >10years @ 25°C	
	Sudden power-off recovery support	
	ECC: 6, 8 or 24bits for 512Bytes	
	S.M.A.R.T and dynamic power management support	
	Static and global wear-leveling	
<b>Environment</b>	Storage temperature: -55~95°C	
	Operation temperature: Optional	
	Humidity: 5%~95%	
	Vibration: 20G Peak, 10 ~ 2000Hz, (15mins/ Axis) x3 Axis	
	Shock: 1500G (@0.5ms half sine wave)	
<b>Warranty</b>	3 years	

Part Number	Capacity
<b>MLC</b>	
AMP18P064-NM9CAC	64GB
AMP18P128-NM1CAC	128GB
AMP18P256-NM2CAC	256GB
<b>SLC</b>	
AMP18P008-NS6CAC	8GB
AMP18P016-NS7CAC	16GB
AMP18P032-NS8CAC	32GB
AMP18P064-NS9CAC	64GB
AMP18P128-NS1CAC	128GB