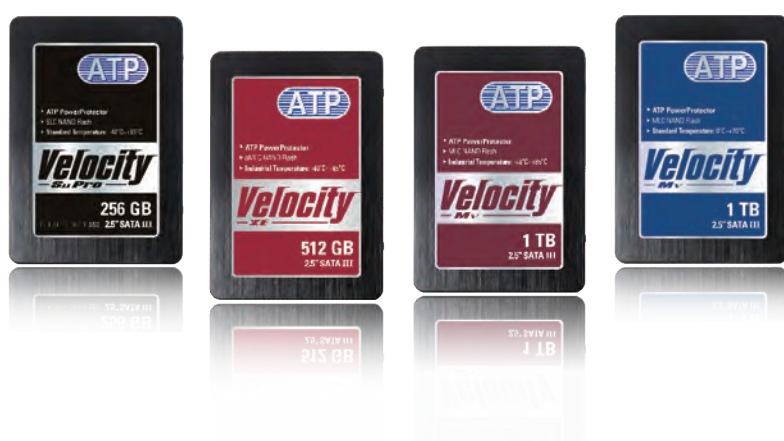




ATP 2.5" SATA SSDs

Industrial Grade

ATP offers various 2.5" SSDs in SLC, MLC and SLC mode types with SATAIII interfaces. ATP SSDs are designed for different applications, including industrial computers, data center, POS, networking, thin clients and other industrial applications.



ATP's shock/vibration-resistant industrial 2.5" SSDs are encased in durable enclosures for outstanding performance in challenging environments. The convenient 2.5" form factor and SATA III interface allow easy integration into SATA-based systems, while unique ATP technologies ensure extended endurance for long years of dependable use.

ATP 2.5" SSDs feature PowerProtector technology, which offers a hardware-based power backup circuit that can sustain and finish a write operation during a sudden power failure to ensure that data is preserved and protected.

ATP's 2.5" SSDs comply with US National Security Agency (NSA) and MIL-STD-810G standards. They support the S.M.A.R.T. ATA feature set and Advanced Wear Leveling algorithm for enhanced endurance.

Key Features

- Global wear leveling
- TRIM function support
- Static Data Refresh and Idle Clean F/W algorithm
- Firmware live update
- PowerProtector
- Write protect disabled/enabled
- NSA-compliant Secure Erase

Applications

- IPC
- Blades
- AdvancedTCA
- Single board computers
- Surveillance & security
- Networking appliance



Specifications

Product Name	Velocity 2.5" SSD					
	SII Pro	XE	MV		Value Line	
Product Line	Premium		Superior		Value	
Naming	A800Pi	A700Pi	A600Si	A600Sc	A600Vc	
Flash Type	SLC	iTemp SLC mode	iTemp MLC	MLC	TLC	
Density	8 GB to 256 GB	64 GB to 512 GB	64 GB to 1 TB		32 GB to 256 GB	
Performance	Sequential Read up to (MB/s)	520	540	530	450	
	Sequential Write up to (MB/s)	420	450	420	320	
	Random Read IOPS up to	76,000	73,000	70,000	70,000	
Interface	SATA III 6 Gb/s					
Operating Temperature	-40°C to 85°C		-40°C to 85°C	0°C to 70°C	0°C to 70°C	
Endurance	TBW* (max.)	21,333 TB	17,066 TB	2,133 TB	2,560 TB	295.38 TB
	DWPD* (max.)	77.9	46.8	5.8	7.0	1.6
Reliability	MTBF @ 25°C	>2,000,000 hours				
	Number of Insertions	10,000 minimum				
Dimensions: L x W x H (mm)	100.0 x 69.9 x 9.2				100.0 x 69.9 x 7.0	

* Under highest Sequential write value. May vary by density, configuration and applications.

Technologies & Add-On Services*		Life Monitor	PowerProtector	Advanced Wear Leveling	AutoRefresh	Dynamic Data Refresh	Secure Erase	Industrial Temperature	Anti-Sulfur Resistors	Conformal Coating
Product Line	Premium	●	●	●	●	●	●	●	Δ	Δ
	Superior	●	●	●	●	●	●	Δ	Δ	Δ
	Value	●		●	●	●				

Δ: Customization option available on a project basis.

To learn more about this product, contact your ATP Representative.

ATP Global Footprint

ATP TAIWAN(HQ)

TEL: +886-2-2659-6368
FAX: +886-2-2659-4982
sales-apac@atpinc.com

ATP USA

TEL: +1-408-732-5000
FAX: +1-408-732-5055
sales@atpinc.com

ATP EUROPE

TEL: +49-89-374-9999-0
FAX: +49-89-374-9999-29
sales-europe@atpinc.com

ATP JAPAN

TEL: +81-3-6260-0797
FAX: +81-3-6260-0798
sales-japan@atpinc.com

ATP CHINA

TEL: +86-21-5080-2220
FAX: +86-21-9687-0000-026
sales@cn.atpinc.com