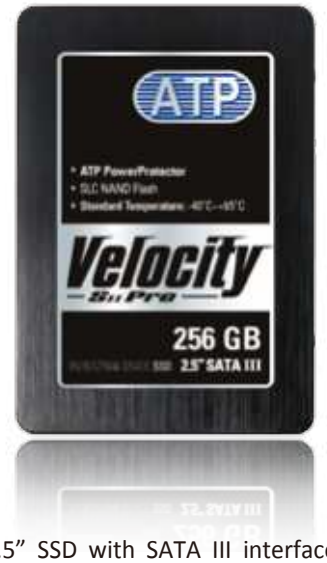
ATP Industrial Grade 2.5” SATA SSDs

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

SATAIII SSDs - Velocity SII Pro



The ATP Velocity SII Pro 2.5” SSD with SATA III interface is the best-in-class wide-temp industrial grade SLC SSD solution with enterprise-class features.
SII Pro SSD offers outstanding performance and proven reliability, ideal for extreme performance, and consistent data integrity requirement (ATP PowerProtector technology), suited for POS, industrial computers, data center and industrial applications in mission critical, high shock and vibration environments.

Key Features

- Ideal for heavy program/erase applications
- High performance with SATAIII interface
- Support Firmware Live Update
- Temperature Sensor to Detect Device’s & Controller’s Temperatures
- Thermal Throttling Mechanism to Prevent the SSD from Overheat
- Sub-Page 4KB Data Management
- Idle Clean FW Algorithm to Optimize Write Performance
- Enhanced endurance by Global wear-leveling & DRAM Flush Cache Efficiency
- Power Protector, data integrity under power-cycling
- NSA Compliant Secure Erase
- SMART function support by ATA CMD
- Support TRIM command (Windows 7 and up, latest Linux Kernel)
- MIL-STD-810G Compliant



Specifications

Product Name	Velocity SII Pro SSD 2.5” SATAIII
Flash Type	SLC
Density	8GB to 256GB
Performance	Sequential Read up to 520 MB/s
	Sequential Write up to 420 MB/s
	Random Read IOPS up to 78,000
Interface	SATAIII 6 Gb/s
Operating Temperature	-40°C to +85°C
Reliability	Advanced Wear Leveling, Industrial Temp., S.M.A.R.T., ProwerProtector, AutoRefresh, Shock Resistance
	TBW* (max.) : 21,333.33 TB
	MTBF @ 25°C : >2,000,000 hours
Dimensions: LxWxH (mm)	100.0 x 69.9 x 9.2

Ordering Information

Density	Part Number
8GB	AF8GSSCJ-VACXP
16GB	AF16GSSCJ-VACXP
32GB	AF32GSSCJ-VACXP
64GB	AF64GSSCJ-VACXP
128GB	AF128GSSCJ-VACXP
256GB	AF256GSSCJ-VACXP

* All TBW data listed are under highest sequential write value in each product line. The TBW data are subject to change by density, configuration and customers’ applications.

More product information

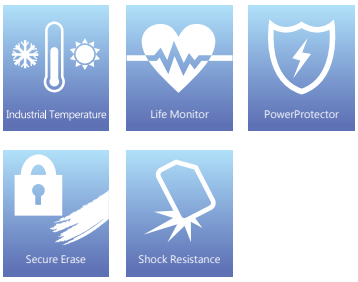
SATAIII SSDs - I-Temp Velocity XE



The ATP Velocity XE SATAIII SSD provides outstanding performance and proven reliability for product operation, which is perfect for networking and thin clients, and is also suitable for enterprise storage systems with outstanding sequential read and writes performance to relieve performance bottlenecks associated with traditional rotating media storage(HDD).

Key Features

- High performance with SATAIII interface
- Designed for enterprise applications requiring high endurance on aMLC (Advanced Multi-Level Cell) technology
- Temperature sensor to detect device's & controller's temperatures
- Thermal throttling mechanism to prevent the SSD from overheat
- Sub-Page 4KB data management
- Idle clean FW algorithm to optimize write performance
- Enhanced endurance by global wear-leveling & DRAM flush cache efficiency
- Power Protector, data integrity under power-cycling
- NSA compliant secure erase
- Firmware field upgradeability
- SMART function support by ATA CMD
- Support TRIM command (Windows 7 and up, latest Linux Kernel)
- MIL-STD-810G compliant



Specifications

Product Name	Velocity XE SSD 2.5" SATAIII
Flash Type	iTemp aMLC
Density	64GB to 512GB
Performance	Sequential Read up to 540 MB/s
	Sequential Write up to 450 MB/s
	Random Read IOPS up to 70,000
Interface	SATAIII 6 Gb/s
Operating Temperature	-40°C to +85°C
Reliability	Advanced Wear Leveling, Industrial Temp., S.M.A.R.T., ProwerProtector, AutoRefresh, Shock Resistance
	TBW* (max.) : 17,066 TB
	MTBF @ 25°C : >2,000,000 hours
Dimensions: LxWxH (mm)	100.0 x 69.9 x 9.2

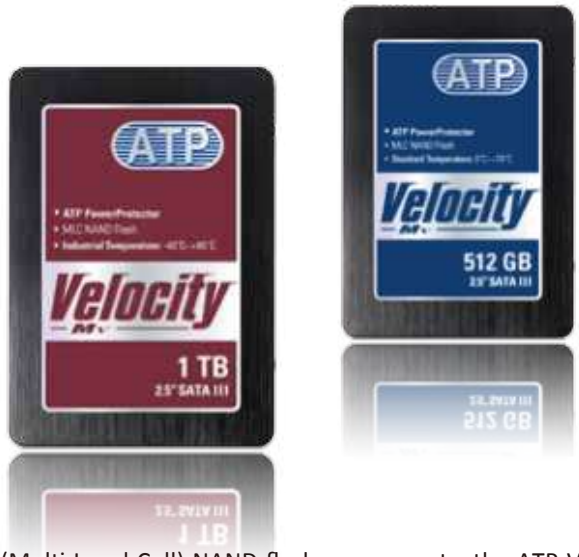
Ordering Information

Density	Part Number
64GB	AF64GSACJ-VAAIP
128GB	AF128GSACJ-VAAIP
256GB	AF256GSACJ-VAAIP
512GB	AF512GSACJ-VAAIP

* All TBW data listed are under highest sequential write value in each product line. The TBW data are subject to change by density, configuration and customers' applications.

More product information

SATAIII SSDs - Velocity MV



Utilizing MLC (Multi Level Cell) NAND flash components, the ATP Velocity MV SSD is the best-in-class MLC SSD solution with enterprise-class features for cost-sensitive client environment. MV SSD offers outstanding performance and proven reliability, ideal for extreme performance, high data security, and consistent data integrity requirement, suited for POS, industrial computers, data center and industrial applications exposed to high shock and vibration environments.

Key Features

- High performance with SATAIII interface
- Support Firmware Live Update
- Temperature Sensor to Detect Device's & Controller's Temperatures
- Thermal Throttling Mechanism to Prevent the SSD from Overheat
- Sub-Page 4KB Data Management
- Idle Clean FW Algorithm to Optimize Write Performance
- Enhanced endurance by Global wear-leveling & DRAM Flush Cache Efficiency
- Power Protector, data integrity under power-cycling
- NSA Compliant Secure Erase
- SMART function support by ATA CMD
- Support TRIM command (Windows 7 and up, latest Linux Kernel)
- MIL-STD-810G Compliant



Specifications

Product Name	Velocity MV 2.5" SSD SATA III	
Flash Type	iTemp MLC	MLC
Density	64GB to 1TB	64GB to 1TB
Performance	Sequential Read up to 530MB/s	Sequential Read up to 530MB/s
	Sequential Write up to 420MB/s	Sequential Write up to 420MB/s
	Random Read IOPS up to 70,000	
Interface	SATAIII 6 Gb/s	
Operating Temperature	-40°C to 85°C	0°C to 70°C
Reliability	Advanced Wear Leveling, Industrial Temp., S.M.A.R.T., ProwerProtector, AutoRefresh, Shock Resistance	
	TBW* (max.) : 4,267 TB	TBW* (max.) : 5,120 TB
	MTBF @ 25°C : >2,000,000 hours	
Dimensions: LxWxH (mm)	100.0 x 69.9 x 9.2	

Ordering Information

Density	Part Number	
	iTemp MLC	MLC
64GB	AF64GSMCJ-VABIP	AF64GSMCJ-VAAXP
128GB	AF128GSMCJ-VABIP	AF128GSMCJ-VABXP
256GB	AF256GSMCJ-VABIP	AF256GSMCJ-VABXP
512GB	AF512GSMCJ-VABIP	AF512GSMCJ-VAABXP
1TB	AF1TSMCJ-VABIP	AF1TSMCJ-VABXP
384GB	AF384GSMCJ-VABIP	AF384GSMCJ-VABXP
768GB	AF768GSMCJ-VABIP	AF768GSMCJ-VABXP

* All TBW data listed are under highest sequential write value in each product line. The TBW data are subject to change by density, configuration and customers' applications.

More product information

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