



ATP Industrial Grade 2.5" SATA SSDs

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

SATA II SSDs - Velocity SI Lite



The ATP Velocity SI Lite SSD with SATA II interface is specifically designed and engineered for mission critical industrial applications, where high endurance and reliability are required. Utilizing SLC (Single Level Cell) NAND flash components, the ATP Velocity SI Lite SSD offers sequential read speed of up to 182 MB/s and sequential write of up to 133 MB/s. The Velocity SI Lite SSD is a cost-effective alternative for enterprise and industrial applications with high reliability, durability, performance and data integrity requirements.

Key Features

- 2.5" SATA II form factor
- Enhanced endurance with Advanced Wear Leveling algorithm
- Built-in hardware-based data protection technology during power failure - PowerProtector
- NSA Compliant SecureErase
- Supports S.M.A.R.T. ATA feature set



Specifications

Product Name	Velocity SI Lite 2.5" SSD SATA-II
Flash Type	SLC
Density	4GB to 64GB
Performance	Sequential Read up to 182 MB/s
	Sequential Write up to 133 MB/s
	Random Read IOPS up to 2,700
Interface	SATA II 3 Gb/s
Operating Temperature	-40°C to +85°C
Reliability	Advanced Wear Leveling
	TBW** (max.) : 768 TB
	MTBF @ 25°C : >2,000,000 hours
Dimensions: LxWxH (mm)	100.0 x 69.9 x 9.2

Ordering Information

Density	Part Number
4GB	AF4GSSCD-RABXP
8GB	AF8GSSCD-RABXP
16GB	AF16GSSCD-RABXP
32GB	AF32GSSCD-RABXP
64GB	AF64GSSCD-RABXP

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



SATA II SSDs - Velocity XE



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

Key Features

- Designed for enterprise applications requiring high endurance on aMLC (Advanced Multi-Level Cell) technology
- Enhanced endurance by Advanced Wear Leveling algorithm
- Support Static Data Refresh technology
- NSA Compliant SecureErase
- Supports S.M.A.R.T. ATA feature set



Specifications

Product Name	Velocity XE 2.5" SSD SATA-II
Flash Type	aMLC
Density	8GB to 64GB
Performance	Sequential Read up to 250 MB/s
	Sequential Write up to 180 MB/s
	Random Read IOPS up to 4,000
Interface	SATA II 3 Gb/s
Operating Temperature	0°C to +70°C
Reliability	Advanced Wear Leveling
	TBW** (max.) : 512 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	AF8GSACD-RAAXX
16GB	AF16GSACD-RAAXX
32GB	AF32GSACD-RAAXX
64GB	AF64GSACD-RAAXX

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SATA III SSDs - Velocity SII Pro



The ATP Velocity SII Pro 2.5" SSD with SATA III interface is a 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, high data security, and consistent data integrity requirement (ATP PowerProtector technology), suited for POS, industrial computers, data center and industrial applications exposed to mission critical, high shock and vibration environments.

Key Features

- Ideal for heavy program/erase applications
- High Performance with SATAIII interface
- Enhanced endurance with Advanced Wear Leveling algorithm
- Built-in hardware-based data protection technology during power failure – PowerProtector
- NSA Compliant SecureErase
- Supports S.M.A.R.T. ATA feature set
- MIL-STD-810G compliant
- AES encryption (optional)



Specifications

Product Name	Velocity SII Pro SSD 2.5" SATA-III
Flash Type	SLC
Density	32GB to 256GB
Performance	Sequential Read up to 520 MB/s
	Sequential Write up to 420 MB/s
	Random Read IOPS up to 9,000
Interface	SATA III 6 Gb/s
Operating Temperature	-40°C to +85°C
Reliability	Advanced Wear Leveling
	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
32GB	AF32GSSCJ-VACXP
64GB	AF64GSSCJ-VACXP
128GB	AF128GSSCJ-VACXP
256GB	AF256GSSCJ-VACXP

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



SATA III SSDs - Velocity MV



Utilizing MLC (Multi Level Cell) NAND flash components, the ATP Velocity M V Enterprise Grade SSD is a best-in-class MLC SSD solution with enterprise- class features for cost-sensitive client environment. M V 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

- Designed for enterprise applications requiring high endurance on MLC technology
- High performance with SATA III Interface
- Enhanced endurance with Advanced Wear Leveling algorithm
- Built-in hardware-based data protection technology during power failure – PowerProtector
- NSA Compliant SecureErase
- Supports S.M.A.R.T. ATA feature set
- MIL-STD-810G compliant
- AES encryption (optional)



Specifications

Product Name	Velocity M V 2.5" SSD SATA-III
Flash Type	MLC
Density	64GB to 512GB
Performance	Sequential Read up to 520 MB/s
	Sequential Write up to 440 MB/s
	Random Read IOPS up to 7,000
Interface	SATA III 6 Gb/s
Operating Temperature	0°C to 70°C
Reliability	Advanced Wear Leveling
	TBW** (max.) : 307.2 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	AF64GSMCJ-VACXP
128GB	AF128GSMCJ-VACXP
256GB	AF256GSMCJ-VACXP
512GB	AF512GSMCJ-VACXP

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

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