![Chipsmall logo]

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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.
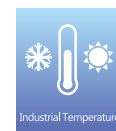
SATA III SSDs - Velocity SII Pro
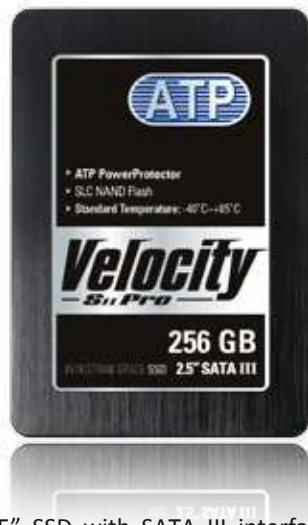
The ATP Velocity SII Pro 2.5" SSD with SATA III interface is the best-in-class wide-temp industrial grade SLC SSD solution with enterprise-class features.

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
- 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
- Supports Native command NCQ
- Supports TRIM Command (Windows 7 and up, latest Linux Kernel)
- CE, FCC Certification

Industrial Temperature   Life Monitor   PowerProtector

Secure Erase   Shock Resistance

Specifications

Product Name	Velocity SII Pro SSD 2.5" SATA-III
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	SATA III 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.

SATA III SSDs - Velocity MV

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
- Supports Native command NCQ
- Supports TRIM Command (Windows 7 and up, latest Linux Kernel)
- CE, FCC Certification

Industrial Temperature   Life Monitor   PowerProtector

Secure Erase   Shock Resistance

Utilizing MLC (Multi Level Cell) NAND flash components, the ATP Velocity M V Enterprise Grade 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.

Specifications

Product Name	Velocity M V 2.5" SSD SATA-III	
Flash Type	iTemp MLC	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 70,000	
Interface	SATA III 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.) : 1,066.67 TB	TBW* (max.) : 1,280 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-VAAIP	AF64GSMCJ-VAAXP
128GB	AF128GSMCJ-VAAIP	AF128GSMCJ-VAAXP
256GB	AF256GSMCJ-VAAIP	AF256GSMCJ-VAAXP
512GB	AF512GSMCJ-VAAIP	AF512GSMCJ-VAACXP

* 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.