



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!



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# ATP Embedded Modules SlimSATA

Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications



With its small size and JEDEC standard, the ATP SlimSATA with PowerProtector is an ideal solution for business critical embedded and networking applications. Featuring a standard SATA interface and premium grade NAND flash components, ATP SlimSATA offers ultra-fast read performance of up to 530 MB/s and write performance of up to 440 MB/s. The ATP SlimSATA offers an alternative solution for embedded applications such as IPC, blades, AdvancedTCA, single board computers, surveillance & security and networking , which have space constraints and requires high performance and reliability.

## Key Features

- JEDEC standard: MO-297 (Slim SATA) compliant
- Enhanced endurance with Advanced Wear Leveling algorithm
- Built-in hardware-based data protection technology during power failure - PowerProtector
- Supports S.M.A.R.T. ATA feature set
- RoHS compliant and CE/FCC certification

## Applications

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





## Specifications

Product Name	SlimSATA		
Flash Type	SLC	aMLC	MLC*
Density	8GB to 128GB	8GB to 64GB	16GB to 512GB
Performance	Sequential Read up to 530 MB/s	Sequential Read up to 250 MB/s	Sequential Read up to 530MB/s
	Sequential Write up to 430 MB/s	Sequential Write up to 190 MB/s	Sequential Write up to 440MB/s
	Random Read IOPS up to 76,520	Random Read IOPS up to 3,800	Random Read IOPS up to 72,040
Interface	SATA III 6 Gb/s	SATA II 3 Gb/s	SATA III 6 Gb/s
Operating Temperature	-40°C to +85°C	0°C to 70°C	
Reliability	Advanced Wear Leveling, AutoRefresh, PowerProtector		
	TBW** (max.) : 5,120 TB	TBW** (max.) : 512 TB	TBW** (max.) : 614.4 TB
	MTBF @ 25°C: >5,000,000 hours	MTBF @ 25°C: >3,000,000 hours	MTBF @ 25°C: >2,000,000 hours
Dimensions: LxWxH (mm)	54.0 x 39.0 x 4.0		

\* Available on a project basis.

\*\* 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.

## Ordering Information

Density	SlimSATA		
	SLC	aMLC	MLC*
8GB	AF8GSSEL-VADXP	AF8GSAEL-RAAXP	-
16GB	AF16GSSEL-VADXP	AF16GSAEL-RAAXP	AF16GSMEL-VADXP
32GB	AF32GSSEL-VADXP	AF32GSAEL-RAAXP	AF32GSMEL-VADXP
64GB	AF64GSSEL-VABXP	AF64GSAEL-RAAXP	AF64GSMEL-VACXP
128GB	AF128GSSEL-VAAXP	-	AF128GSMEL-VABXP
256GB	-	-	AF256GSMEL-VAAXP
512GB	-	-	AF512GSMEL-VAAXP

\* Available on a project basis.

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