



# ATP Embedded Modules SlimSATA

Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications



With its small size and ratified JEDEC standard, MO-297A, 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 500 MB/s and write performance of up to 400 MB/s. The ATP SlimSATA offers an alternative solution for embedded applications such as IPC, blades, AdvancedTCA, single board computers, surveillance & security and networking appliance, which has space constraints and requires high performance and reliability.

## Key Features

- JEDEC standard: MO-297A (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(MO-297A)		
Flash Type	SLC	aMLC	MLC*
Density	8GB to 128GB	8GB to 64GB	8GB to 256GB
Performance	Sequential Read up to 530 MB/s	Sequential Read up to 250 MB/s	Sequential Read up to 520MB/s
	Sequential Write up to 430 MB/s	Sequential Write up to 190 MB/s	Sequential Write up to 300MB/s
	Random Read IOPS up to 9,200	Random Read IOPS up to 3,800	Random Read IOPS up to 7,200
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.) : 2,560 TB	TBW** (max.) : 512 TB	TBW** (max.) : 153.6 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 random 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	AF8GSMEL-VACXP
16GB	AF16GSSEL-VADXP	AF16GSAEL-RAAXP	AF16GSMEL-VACXP
32GB	AF32GSSEL-VADXP	AF32GSAEL-RAAXP	AF32GSMEL-VACXP
64GB	AF64GSSEL-VABXP	AF64GSAEL-RAAXP	AF64GSMEL-VACXP
128GB	AF128GSSEL-VAAXP	-	AF128GSMEL-VABXP
256GB	-	-	AF256GSMEL-VAAXP

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