



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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