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 Power-Protector 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 550 MB/s and write performance of up to 450 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 (SlimSATA) 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	iTemp aMLC	iTemp MLC	MLC
Density	8GB to 128GB	64GB to 256GB	16GB to 512GB	16GB to 512GB
Performance	Sequential Read up to 530MB/s	Sequential Read up to 550MB/s	Sequential Read up to 550MB/s	Sequential Read up to 550MB/s
	Sequential Write up to 430MB/s	Sequential Write up to 440MB/s	Sequential Write up to 450MB/s	Sequential Write up to 450MB/s
	Random Read IOPS up to 76,000	Random Read IOPS up to 73,700	Random Read IOPS up to 70,000	Random Read IOPS u p 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, AutoRefresh, PowerProtector			
	TBW* (max.) : 10,667 TB	TBW* (max.) : 8,533.3 TB	TBW* (max.) : 1,067 TB	TBW* (max.) : 1,280 TB
	MTBF @25°C: >5,000,000 hours	MTBF @25°C: >2,000,000 hours		
Dimensions: LxWxH (mm)	54.0 x 39.0 x 4.0			

* 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	iTemp aMLC	iTemp MLC	MLC
8GB	AF8GSSEL-VADXP	-	-	-
16GB	AF16GSSEL-VADXP	-	AF16GSMEL-VAEIP	AF16GSMEL-VAEXP
32GB	AF32GSSEL-VADXP	-	AF32GSMEL-VAEIP	AF32GSMEL-VAEXP
64GB	AF64GSSEL-VABXP	AF64GSAEL-VAAIP	AF64GSMEL-VADIP	AF64GSMEL-VADXP
128GB	AF128GSSEL-VAAXP	AF128GSAEL-VAAIP	AF128GSMEL-VACIP	AF128GSMEL-VACXP
256GB	-	AF256GSAEL-VAAIP	AF256GSMEL-VABIP	AF256GSMEL-VABXP
512GB	-		AF512GSMEL-VABIP	AF512GSMEL-VABXP

ATP TAIWAN(HQ)
TEL: +886-2-2659-6368
FAX: +886-2-2659-4982
sales-apac@atpinc.com

ATP USA
TEL: +1-408-732-5000
FAX: +1-408-732-5055
sales@atpinc.com

ATP EUROPE
TEL: +49-89-374-9999-0
FAX: +49-89-374-9999-29
sales-europe@atpinc.com

ATP JAPAN
TEL: +81-3-6890-8277
FAX: +81-3-6890-8301
sales-japan@atpinc.com

ATP CHINA
TEL: +86-21-5080-2220
FAX: +86-21-9687-0000-026
sales@cn.atpinc.com

More product information

www.atpinc.com