

ATP CFast Card

Industrial Grade Flash Memory Cards

Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications



ATP CFast cards combine the convenient and trusted format of CompactFlash with the speed, capacity and performance of SATA III, while maintaining backward compatibility with other SATA versions.

They are recommended as boot and storage devices in embedded and industrial applications such as avionics/aerospace, automation, marine navigation, telecommunication/networking and medical equipment where mission-critical data requires the highest level of reliability, durability and data integrity.

Special features and technologies include: PowerProtector, which provides a hardware-based backup power circuit during a power failure; Advanced Wear Leveling for higher endurance and longer product life span; ECC (error correction code) and AutoRefresh technologies, which correct and monitor the error bit levels to ensure data integrity in frequently read areas, and S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) function for easy monitoring of various device health parameters to help predict storage failure for preventive action.

Key Features

- Advanced wear leveling algorithm
- Bad block management
- AutoRefresh technology
- PowerProtector
- S.M.A.R.T support

Applications

- Portable compution
- Automation
- Industrial PC
- Gaming
- On board data storage



Specifications

Product Name		CFast Card						
Product Line		Premium	Superior					
Naming		A800Pi	A600Si	A600Sc				
Flash Type		SLC	iTemp MLC	MLC				
Density		8 GB to 32 GB	16 GB to 128 GB	16 GB to 128 GB				
Performance	Sequential Read up to (MB/s)	500	510	510				
	Sequential Write up to (MB/s)	300	175	175				
	Random Read IOPS up to	35,800	29,400	29,400				
Interface		SATA III 6 Gb/s						
Operating Temperature		-40°C to 85°C	-40°C to 85°C	0°C to 70°C				
Endurance	TBW* (max.)	2,667 TB	267 TB	320 TB				
	DWPD* (max.)	46.8	2.9	3.5				
	MTBF @ 25°C	>2,000,000 hours						
Reliability Number of Insertions		10,000 minimum						
Dimensions: L x W x H (mm)		36.4 x 42.8 x 3.6						

* Under highest Sequential write value. May vary by density, configuration and applications.

Technologies & Add-On Services		Life Monitor	Sudden Power-Off Recovery	Advanced Wear Leveling	AutoRefresh	Dynamic Data Refresh	Secure Erase	Industrial Temperature	Anti-Sulfur Resistors	Conformal Coating
Product Line	Premium	•	٠	٠	•	•	٠	٠	Δ	Δ
	Superior	•	•	٠	٠	•	٠	Δ	Δ	Δ

Δ: Customization option available on a project basis.

To learn more about this product, contact your ATP Representative.

ATP Global Footprint

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