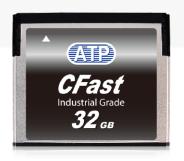


## CFast card

The Global Leader in Specialized Storage and Memory Solutions



## **Key Features**

- Advanced wear leveling algorithm
- Bad block management
- AutoRefresh technology
- Power Loss Protection

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: optional Power Loss Protection, which provides a hardware-based backup power circuit and/or firmware-based solution 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.

## Specifications

CFast Card								
Product Line								
Product Line	A800Pi							
Interface	SATA III 6 Gb/s							
Flash Type	SLC							
Form Factor	CFast Type I -40°C to 85°C							
Operating Temperature								
Power Loss Protection Options	Hardware + Firmware Based							
Optional SED Features	-							
Capacity	8 GB to 32 GB							
	Performance							
Sequential Read (MB/s) up to	500							
Sequential Write (MB/s) up to	300							
Random Reads IOPS up to	35,800							
Random Writes IOPS up to	-							
	Endurance and Reliability							
Endurance (TBW) <sup>1</sup> up to	2,667 TB							
Reliability MTBF @ 25°C	>2,000,000 hours							
Reliability Number of Insertions	10,000 minimum							
	Others							
Dimensions (mm)	36.4 x 42.8 x 3.6							
Certifications	CE, FCC, UKCA, RoHS							
Warranty	5 years							

Technologies & Add-On Services	S.M.A.R.T.	Firmware-based Power Loss Protection	Hardware-based Power Loss Protection	AutoRefresh	Advanced Wear Leveling	Dynamic Data Refresh	Secure Erase	버네ustrial Temperature	Anti-Sulfur Resistors	Conformal Coating	
	0	0	<b>A</b>	0	0	0	0	0	<b>A</b>		

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

▲: Customization option available on a project basis.

Product spec and its related information are subject to change without advance notice. Please refer to <u>www.atpinc.com</u> for latest information

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