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ATP Industrial Grade CFast Card

Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications



With the more advanced SATA interface, the ATP Industrial Grade CFast is the ideal replacement for CompactFlash. The CFast is fully compliant with CFA's CFast specification version 2.0 with a SATA 6 Gb/s interface. The ATP CFast with PowerProtector guarantees reliable controller and lasting NAND flash operations with a backup power circuit during a power failure. By utilizing SLC NAND flash memory and Advanced Wear Leveling technology, the ATP Industrial Grade CFast has higher program/write endurance and a longer product life span.

Key Features

- SLC (Single-Level-Cell) NAND Flash with a longer lifespan
- Enhanced endurance with Advanced Wear Leveling algorithm
- Bad Block Management
- Read Disturb Protector - AutoRefresh to ensure data integrity during read operation
- Built-in hardware-based data protection technology during power failure - PowerProtector
- Supports S.M.A.R.T. ATA feature set

Applications

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



Specifications

Product Name	CFast Card	
Flash Type	SLC	MLC*
Density	8GB to 32GB	8GB~64GB
Performance	Sequential Read up to 500 MB/s	Sequential Read up to 420 MB/s
	Sequential write up to 300 MB/s	Sequential write up to 80 MB/s
Interface	SATA III 6 Gb/s	
Operation Temperature	-40°C to +85°C	0°C to 70°C
Reliability	Advanced Wear Leveling & Bad Block Management	
	TBW** (max.) : 640 TB	TBW** (max.) : 38.4 TB
	MTBF @25°C: >5,000,000 hours	
	Number of Insertions: 10,000 minimum	
Dimensions: LxWxH (mm)	36.4 x 42.8 x 3.6	

* 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	CFast Card (SLC)	CFast Card (MLC*)
8GB	AF8GCSI-OEM	AF8GCS-OEM
16GB	AF16GCSI-OEM	AF16GCS-OEM
32GB	AF32GCSI-OEM	AF32GCS-OEM
64GB	-	AF64GCS-OEM

* Available on a project basis.

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