

# Memory Cards



## CFast Card

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 III 6 Gb/s interface. The ATP CFast with PowerProtector guarantees a 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 a higher program/write endurance and a longer product lifespan.

### Key Features

- SLC (Single Level Cell) NAND Flash with a longer lifespan
- MLC (Multi Level Cell) NAND Flash with higher capacity
- iTemp MLC (Multi Level Cell) NAND Flash- Industrial Temperature operable
- 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
- RoHS compliant and CE/FCC certification

### Specifications

Product Name	CFast Card		
Flash Type	SLC	iTemp MLC	MLC
Density	8GB to 32GB	16GB to 128GB	16GB to 128GB
Performance	Sequential Read up to 500MB/s	Sequential Read up to 445MB/s	Sequential Read up to 445MB/s
	Sequential Write up to 300MB/s	Sequential Write up to 160MB/s	Sequential Write up to 160MB/s
Interface	SATA III 6 Gb/s		
Operation Temperature	-40°C to +85°C	-40°C to +85°C	0°C to 70°C
Reliability	AutoRefresh, PowerProtector, Advanced Wear Leveling		
	TBW* (max.) : 2,667 TB	TBW* (max.) : 267 TB	TBW* (max.) : 320 TB
	MTBF @25°C: >2,000,000 hours		
	Number of Insertions: 10,000 minimum		
Dimensions: LxWxH (mm)	36.4 x 42.8 x 3.6		

\*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.

