

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 compution
- 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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