



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 a reliable controller and lasting NAND flash operations with a backup power circuit during a power failure. By utilizing SLC, MLC 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
- MLC (Multi-Level-Cell) NAND Flash
- 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
- CE, FCC Certification

Applications

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



Life Monitor



PowerProtector



Secure Erase



Shock Resistance



AutoRefresh



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 500 MB/s	Sequential Read up to 445 MB/s	Sequential Read up to 445 MB/s
	Sequential write up to 300 MB/s	Sequential write up to 160 MB/s	Sequential write up to 160 MB/s
	Random Read IOPS up to 35,800	Random Read IOPS up to 29,400	Random Read IOPS up to 70,000
Interface	SATA III 6 Gb/s		
Operation Temperature	-40°C to +85°C	-40°C to +85°C	0°C to 70°C
Reliability	Advanced Wear Leveling & Bad Block Management		
	TBW* (max.) : 2,667 TB	TBW* (max.) : 266.67 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.

Ordering Information

Density	SLC	iTemp MLC	MLC
8GB	AF8GCSI-XACXP	-	-
16GB	AF16GCSI-XACXP	AF16GCS-XADIP	AF16GCS-XADXP
32GB	AF32GCSI-XACXP	AF32GCS-XADIP	AF32GCS-XADXP
64GB	-	AF64GCS-XACIP	AF64GCS-XACXP
128GB	-	AF128GCS-XABIP	AF128GCS-XABXP

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