INNOLITE CFAST D150Q



FEATURES

- Support static wear leveling algorithm
- S.M.A.R.T. & i-S.M.A.R.T. Supported
- Intelligent system for error recovery
- Excellent data transfer speed
- Compliant with CFast 1.0 standard
- Thermal Sensor

R:120MB/s W:75MB/s | SATA II 3Gb/s | ECC & Wear leveling | Thermal sensor | S.M.A.R.T | CFast Type-I

Specifications

Connector Type	CFast 1.0 standard
Flash Type	MLC (Multi Level Cell)
Density	4GB, 8GB, 16GB, 32GB, 64GB,128GB
Transfer Mode	SATA II, SATA I, PIO 0~4, MDMA 0~2, UDMA 0~6
Sustained R/W Performance	Read：120 MB/sec (max.) Write：75 MB/sec (max.)

Environmental

DC Input	+3.3V DC ± 5%
Power consumption (Max.)	Read: 190 mA Write: 230 mA Idle: 140 mA
Operating Temperature	0^0C~+70^0C (Standard Grade) -20^0C~+85^0C (Extended Grade)
Storage Temperature	-55^0C~+95^0C
Humidity	Relative Humidity: 10-95%, non-condensing
Flash Endurance	3,000 program/erase cycles
MTBF	> 3,000,000 hours
Certification	CE, FCC, RoHS
Warranty	2 years

Mechanicals

Dimension (W x L x H)	42.8 mm x 36.4 mm x 3.6 mm
Weight	10g±1g
Vibration	7 Hz to 2K Hz, 3 axes
Shock	Duration: 0.5ms, 1500G, 3 axes

Health monitoring Tool

S.M.A.R.T.	Supported
i-S.M.A.R.T.	Supported (Utility for Windows, Linux)

Ordering Information

Capacity	Standard Grade	Extended Grade
4GB	DC1T-04GJ30AC2SN	DC1T-04GJ30AE2SN
8GB	DC1T-08GJ30AC2DN	DC1T-08GJ30AE2DN
16GB	DC1T-16GJ30AC2QN	DC1T-16GJ30AE2QN
32GB	DC1T-32GJ30AC2QN	DC1T-32GJ30AE2QN
64GB	DC1T-64GJ30AC2QN	DC1T-64GJ30AE2QN
128GB	DC1T-A28J30AC2QN	DC1T-A28J30AE2QN

DESIGN ◎ SERVICE ◎ QUALITY ◎ DELIVERY

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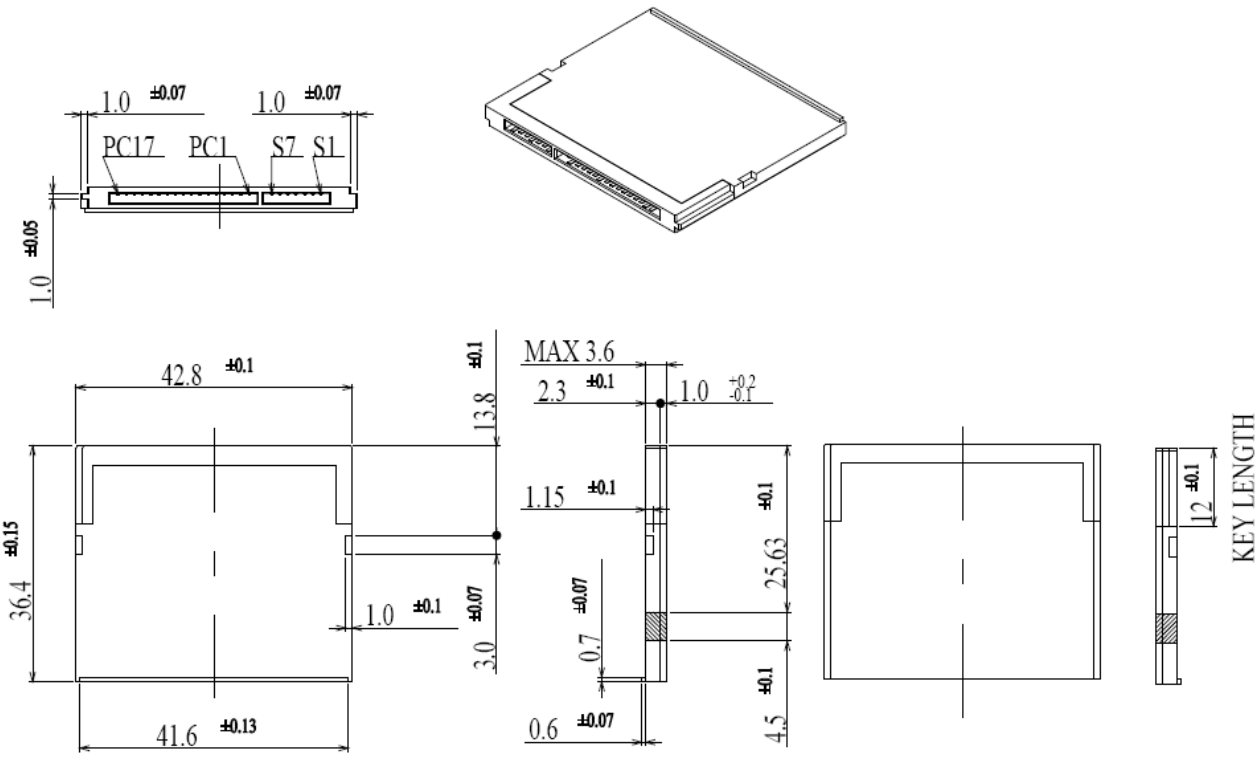
Mechanical Dimension



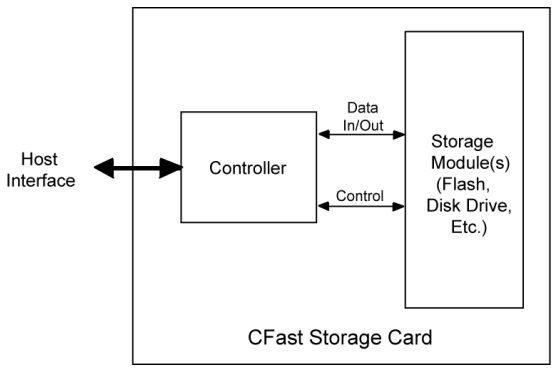
General Description

CFast is a small form factor card standard that encompasses CFast semiconductor (Flash) data storage cards and magnetic disk cards.

The CFast card provides high capacity data storage that electrically complies with the Serial ATA International Organization standard. The CFast card uses the same commands, but implements additional control signals on the power connector to manage activity LED, write protect and power down/up of the SATA PHY.

CFast Storage Card

The CFast Storage Card contains a single chip controller and flash memory module(s) in a matchbook-sized package with a 7+17-pin connector consisting of a SATA compatible 7 pin signal connector and a 17 pin power and control connector. The controller interfaces with a host system allowing data to be written to and read from the flash memory module(s).



CFast Storage Card Block Diagram