

Datasheet

CFast 3IE3 series

- Innovative Firmware Algorithm
- DRAM-less, 100% data integrity
- Excellent random performance
- Wide Temperature: -40°C ~85 °C
- Supports TRIM/NCQ/SMART
- Built in iData Guard



Introduction

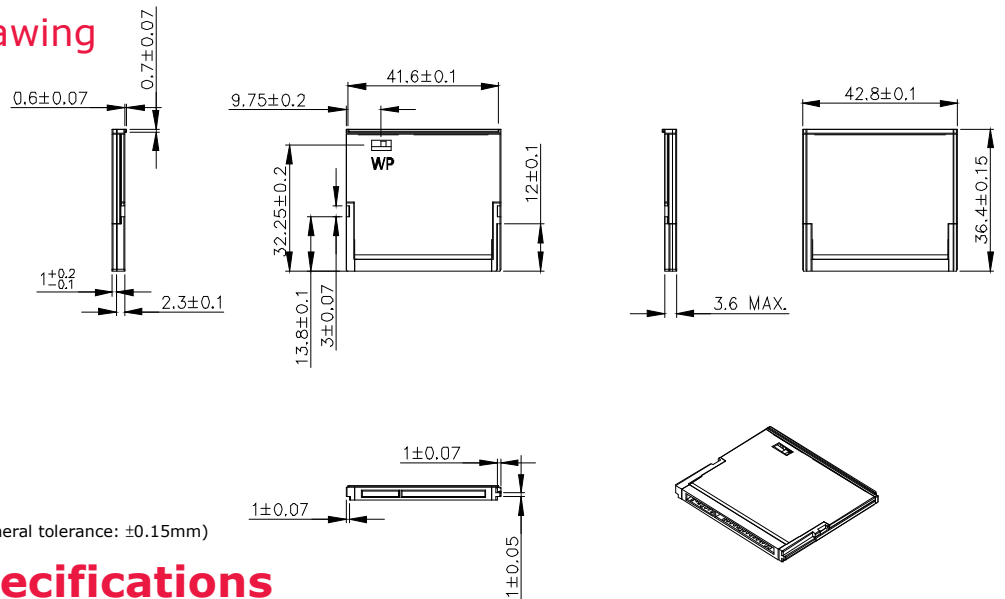
The Innodisk CFast 3IE3 operates at SATA III 6.0 Gb/s, which offers data transfer rate of read up to 240MB/s. and of sequential write up to 160MB/s. Compliant with CFast 2.0 standard, it is designed with 7+17 pin connector and is SATA compatible. Due to the idle power saving, it reduces 30% power consumption. CFast 3IE3 is featured as small form factor, and suitable for most industrial application.

CFast 3IE3 can work under harsh environment, and complies with ATA protocol. Without additional drives, the disk can be configured as a boot device or data storage device. CFast 3IE3 support hardware write protect to prevent modification of valuable data on a device. Besides, through Innodisk's enhanced power cycling technology and more capacitors, CFast 3IE3 prevents data loss caused by sudden power failure. By using Innodisk's iSMART, users can not only monitor the operation status of CFast, but also visualize Wear-Leveling status with graphics.

CFast

3IE3 series

Drawing



Specifications

Interface	SATA III
Flash Type	iSLC
Capacity	8GB~128GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	240/160
Max. Power Consumption	1.1W
Thermal Sensor	ST- optional/ WT- default
External DRAM Buffer	-
H/W Write Protect	Optional*
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	42.8X 36.4 X 3.6 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

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Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB
Standard Grade (0°C ~ +70°C)	DHCFA-08GD09BC1SC	DHCFA-16GD09BC1DC	DHCFA-32GD09BC1DC	DHCFA-64GD09BC1DC	DHCFA-A28D09BC1DC
Industrial Grade (-40°C ~ +85°C)	DHCFA-08GD09BW1SC	DHCFA-16GD09BW1DC	DHCFA-32GD09BW1DC	DHCFA-64GD09BW1DC	DHCFA-A28D09BW1DC

*H/W write protect function is optional.

For the write protect demand, please place the order by PN: DHCFA-xxxD09Sx1xCW

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