

# innO Lite

## Industrial Flash Module Series

- SSD
- SATADOM
- CF Card
- Embedded Disk Card

- Cost-effective Lifespan
- Static Wear Leveling Algorithm
- Auto ECC Function
- SMART Function Support
- Support Windows<sup>®</sup> 7 TRIM (2.5" Ultra SATA SSD only)



## Overview

InnoLite series is absolutely different from those SSDs for consumer market. That is, InnoLite can bring benefits including:

- Reliable, industrial-thinking, and value-added design
- Passed serial comprehensive reliability tests
- Flexible customization to fit specific customer needs
- Supported by a dedicated professional service team
- Fix specifications whatever you approve
- Cost efficiency for fair performance compared with SLC solutions

Also, InnoDisk guarantees fixed specifications for customer to go with long term cooperation. InnoLite series brings models within different interfaces including 2.5" SATA/ATA SSD, CF, EDC, SATADOM, and mini PCIe series.

Regarding to semi-industrial applications, especially for those seldom write data, InnoLite can provide cost-effective lifespan for them.



Application: Information Kiosk  
 Item: InnoLite iCF  
 Device density: 8GB  
 Data transfer frequency:  
 Information data updated: 4GB/month  
 Average visitor login information: 24MB/day  
 $8 \text{ GB} \times 1024 \text{ (MB)} \times \boxed{5\text{K (Erase cycle)}} = 256\text{K Day}$   
 160MB/Day



Application: IPC system  
 Item: iCF4000  
 Device density: 8GB  
 Data transfer frequency:  
 Data received from host to be written :  
 32MB/once and 100 times/day  
 $8 \text{ GB} \times 1024 \text{ (MB)} \times \boxed{100\text{K (Erase cycle)}} = 256\text{K Day}$   
 3200MB/Day

Item	InnoLite 2.5" Ultra SATA SSD	InnoLite 2.5" SATA SSD II	InnoLite 2.5" SATA SSD	InnoLite 2.5" PATA SSD
Capacity	32GB~256GB	8GB~128GB	8GB~64GB	8GB~256GB
Interface	SATA II 3.0G	SATA II 3.0G	SATA II 3.0G	SATA II 3.0G
Data Transfer Rate	Read:230MB/sec.(max.) Write:160MB/sec.(max.)	Read: 95MB/sec.(max.) Write:40MB/sec.(max.)	Read: 150MB/sec.(max.) Write: 90MB/sec.(max.)	Read: 80MB/sec.(max.) Write:45MB/sec.(max.)
Operation Temp.	0°C~+70°C	0°C~+70°C	0°C~+70°C	0°C~+70°C
Storage Temp.	-55°C~+95°C	-55°C~+95°C	-55°C~+95°C	-55°C~+95°C
Vibration	20G(7~2000Hz)	20G(7~2000Hz)	20G(7~2000Hz)	20G(7~2000Hz)
Shock	1500G/0.5ms	1500G/0.5ms	1500G/0.5ms	1500G/0.5ms
Power Consumption	600mA(max.)	400 mA(max.)	400 mA(max.)	400 mA(max.)
Dimension	69.6 x 99.8 x 9.3 mm (WxLxH)	69.6x99.8x9.3mm (WxLxH)	69.8x99.8x9.3mm (WxLxH)	69.8x100.1x9.5mm (WxLxH)
SMART Function	Supported	Supported	Supported	Supported
Security Function	Supported	Supported	Supported	Supported

Item	InnoLite SATA Slim S100	InnoLite mSATA S100	InnoLite SATADOM
Capacities	4GB~64GB	4GB~64GB	4GB~64GB
interface	SATA II 3.0G	Mini PCIe (SATA II)	SATA II 3.0G
Data Transfer Rate	Read: 95MB/sec. (Max) Write: 40MB/sec. (Max)	Read: 95MB/sec. (Max) Write: 40MB/sec. (Max)	Read: 90MB/sec. (Max) Write: 30MB/sec. (Max)
Operation Temp.	0°C+70°C	0°C+70°C	0°C+70°C
Storage Temp.	-55°C~+95°C	-55°C~+95°C	-55°C~+95°C
Vibration	20G(7~2000Hz)	20G(7~2000Hz)	20G(7~2000Hz)
Shock	1500G/0.5ms	1500G/0.5ms	1500G/0.5ms
Power Consumption	400mA(max.)	400mA(max.)	260mA(max.)
Dimension(WxLxH)	32.1x69.5x3.4mm	30x50.95x3.4mm	30x50.95x3.4mm (WxLxH)
SMART Function	Supported	Supported	Supported
Security Function	Supported	Supported	Supported

Item	InnoLite iCF	InnoLite EDC
Capacity	1GB~32GB	1GB~16GB
Interface	PIO Mode 0-4 MwDMA Mode 0-2 UltraDMA Mode 0-6	PIO Mode 0-4 MwDMA Mode 0-2 UltraDMA Mode 0-6
Data Transfer Rate	Read:40MB/sec.(max.) Write:15MB/sec.(max.)	Read:40MB/sec.(max.) Write:15MB/sec.(max.)
Operation Temp.	0°C~+70°C	0°C~+70°C
Storage Temp.	-55°C~+95°C	-55°C~+95°C
Vibration	20G(7~2000Hz)	20G(7~2000Hz)
Shock	1500G/0.5ms	1500G/0.5ms
Power Consumption	140mA (max.)	140mA (max.)
Dimension	36.4 x 42.8 x 3.3 mm(WxLxH)	27.8x60.2 x6.4 mm(WxLxH)
SMART Function	Supported	Supported
Security Function	Supported	Supported