

CFast CARD

- CFast Type I standard form factor
- Compliant with Serial ATA Revision 3.1 Standard with 6.0 Gb/s transfer rate
- Support SP Toolbox SMART health monitoring software
- Equipped with advanced PFP technology



Model	CFX710	CFX510	CFX310
Flash Technology	SLC	pSLC	MLC
Capacity	8GB ~ 64GB	8GB ~ 128GB	16GB ~ 512GB
Power Requirement	DC 3.3V	DC 3.3V	DC 3.3V
Interface	CFast 2.0/SATA III/ 6.0Gbps	CFast 2.0/SATA III/ 6.0Gbps	CFast 2.0/SATA III/ 6.0Gbps
Seq. Performance Read (max.)	210 MB/s	530 MB/s	530 MB/s
Seq. Performance Write (max.)	100 MB/s	430 MB/s	370 MB/s
Random 4K Read (IOPS max.)	n/a	32,000	32,000
Random 4K Write (IOPS max.)	n/a	32,000	32,000
Power Consumption (max.)	400 mA	700 mA	700 mA
Power Consumption (idle)	110 mA	110 mA	110 mA
Dimension (mm)	36.4 x 42.8 x 3.6	36.4 x 42.8 x 3.6	36.4 x 42.8 x 3.6
MTBF (est)	≈ 2,000,000 hrs	≈ 1,000,000 hrs	≈ 1,000,000 hrs
■ Temperature & Humidity (IEC-60068)			
Operating 0°C ~ 70°C: Standard	SPXXXGICFX711NV0	SPXXXGICFX511NV0	SPXXXGICFX311NV0
Operating -40°C ~ 85°C: Industrial	SPXXXGICFX711NW0	◇	◇
Storage Temperature	-55°C ~ 95°C	-55°C ~ 95°C	-55°C ~ 95°C
Operating Humidity	10% ~ 95% (30°C Max. Wet Bulb Temp)		
■ Mechanical (IEC-60068)			
Vibration	15G, 10 ~ 2000Hz	15G, 10 ~ 2000Hz	15G, 10 ~ 2000Hz
Drop	75cm	75cm	75cm
Shock	1,500G@0.5ms	1,500G@0.5ms	1,500G@0.5ms
■ Key Features			
Power Shield	◆	◆	◆
PFP	◆	◇	◇
TRIM	◆	◆	◆
S.M.A.R.T	◆	◆	◆
DEVSLP	◆	◆	◆
SP SMART Utility	◆	◆	◆
Warranty	5 years and within TBW	3 years and within TBW	3 years and within TBW

*1. The read and write values may vary depending on different capacities and testing platforms.

*2. ◆=Default ◇=By Request