ADATA Industrial & Enterprise Solutions

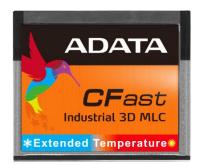
CFast



ADATA ICFS314 CFast cards combine the form-factor of a CF card with the high-speed SATA III interface for both high reliability and secure operation. The product provides industrial applications with better, more convenient performance. The industrial-grade extended temperature range of -40°C to 85°C is suitable for high-end instruments and equipment that must operate in harsh environments. The ADATA CFast card supports a range of technology, including error correcting code (ECC), which ensures the integrity of data transfers by automatically detecting and correcting errors, and Wear Leveling technology, which ensures data is written evenly across all sectors, extending the life of the memory card.

Key Features

- 3D MLC NAND Flash for improved durability
- High R/W speed up to 550/520MB/s
- Wide Temperature Support: -40°C to 85°C
- Built-in Error Correcting Code (ECC)
- S.M.A.R.T. data integrity verification
- Supports Wear Leveling
- Low power consumption: 2.17W
- Compatible with CFast 2.0 specifications
- Flash Management
- H/W power detector and Flash Protection
- Extra-thick 30μ gold-plated contact pins





Target Applications

Networking, POS System, Kiosk, Industrial Control, Personal Computing, Interactive Device, Gambling and Lottery Machine, Medical Application, Military, Aerospace

	Wide Temperature	ESD & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Temperature Sensor	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
ICFS314 3D MLC	•	•	•	•	•	•	•	•	•

Supported

















ADATA Industrial & Enterprise Solutions

CFast



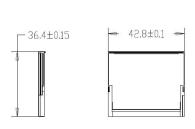
Specifications

Specifications					
Model	ICFS314				
Interface	7+17 pin SATA				
Capacity	32GB-512GB				
Flash Type	3D MLC				
Operating Voltage	3.3V				
Sequential Read (Max)	Up to 550MB/s				
Sequential Write (Max)	Up to 520MB/s				
Data Transfer Mode	SATA III 6.0 Gbps				
On a mating Townson at the con-	Commercial: -10°C to 80°C				
Operating Temperatures	Industrial: -40°C to 85°C				
Operating Humidity	5%~95% RH non-condensing				
Power Consumption (Max)	2.17W				
Vibration Resistance	20G (10-2000Hz)				
Shock Resistance	1500G/0.5ms, Half Sine Wave				
Dimensions (L x W x H)	36.4 x 42.8 x 3.3mm				
S.M.A.R.T.	Supported				

Ordering Information

Conscitu	Commercial	Industrial			
Capacity	-10°C to 80°C	-40°C to 85°C			
32GB	ICFS314-032GB	ICFS314-032GC			
64GB	ICFS314-064GB	ICFS314-064GC			
128GB	ICFS314-128GB	ICFS314-128GC			
256GB	ICFS314-256GB	ICFS314-256GC			
512GB	ICFS314-512GB	ICFS314-512GC			

Dimensions



[][}



