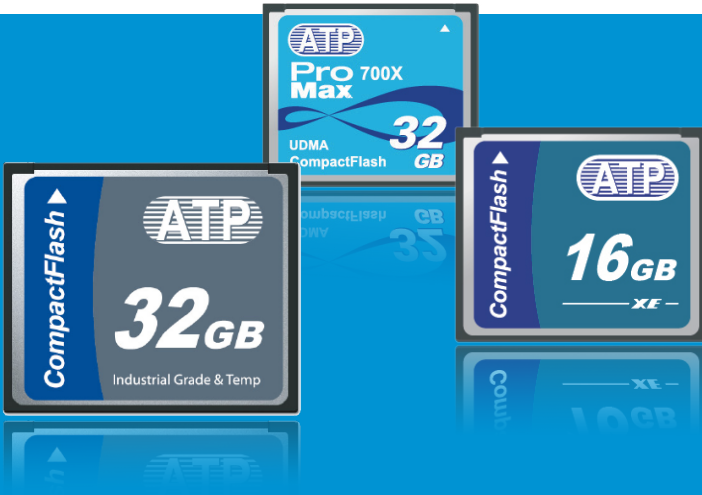




CompactFlash card

Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications



Key Features

- Global wear leveling and bad block management
- AutoRefresh technology
- Power Loss Protection
- Power saving mode
- S.M.A.R.T

CompactFlash cards in the original IDE/PATA interface continue to enjoy wide usage in industrial and embedded environments due to their durability and rugged build.

ATP's industrial CompactFlash cards work best in high-throughput applications requiring speedy transfers of large blocks of data, such as high-definition videos and camera systems.

Industrial temperature-rated CompactFlash cards can operate in critical temperature ranges, from -40°C to 85°C. Superior flash management capabilities such as Advanced Wear Leveling, bad block management, and AutoRefresh technology ensure data integrity, reliability and longevity for a wide range of applications and workloads. Power Loss Protection options include firmware and/or hardware-based protection that prevents data loss or corruption due to power losses or fluctuations.

Technologies & Add-On Services	S.M.A.R.T.	Hardware-based Power Loss Protection	Advanced Wear Leveling	AutoRefresh	Dynamic Data Refresh	Industrial Temperature	Anti-Sulfur Resistors	Conformal Coating
Premium	●	●	●	●	●	●	Δ	Δ
Superior	●	●	●	●	●	●	Δ	Δ

Δ: Customization option available on a project basis.

Specifications

CompactFlash Card				
Product Line	I800Pi	I700Sc	I600Sc	
Interface	UDMA 0~4	UDMA 0~6		
Flash Type	SLC	Pseudo SLC	MLC	
Form Factor	CFast Type I			
Operating Temperature (Tcase) ¹	-40°C to 85°C	0°C to 70°C		
Power Loss Protection Options	Hardware + Firmware Based		Firmware Based	
Optional SED Features	-			
Capacity	512 MB to 32 GB	8 GB to 16 GB	16 GB to 32 GB	
Performance				
Performance	Sequential Read (MB/s) up to	61	110	108
	Sequential Write (MB/s) up to	55	80	46
	Random Read IOPS (4K, QD32) up to	-	-	-
	Random Writes IOPS (4K, QD32) up to	-	-	-
Endurance and Reliability				
Endurance (TBW) ² up to	1,280 TB	128 TB	38 TB	
Reliability MTBF @ 25°C	>5,000,000 hours	>2,000,000 hours		
Data Retention @ 40°C ³	10 years (with 10% P/E Cycles)	5 years (with 10% P/E Cycles)	10 years (with 10% P/E Cycles)	
Reliability Number of Insertions	10,000 minimum			
Others				
Power Consumption	3.3V Input Power			
Dimensions: L x W x H (mm)	36.4 x 42.8 x 3.3			
Certifications	CE, FCC, RoHS		CE, FCC	
Warranty	5 years		2 years	

¹ Case Temperature, the composite temperature as indicated by SMART temperature attributes.

² Under highest Sequential write value. May vary by density, configuration and applications.

³ Data retention value may vary across different temperature ranges. It is based on experimental results and should be used only for reference.

Product spec and its related information are subject to change without advance notice.
Please refer to www.atpinc.com for latest information

202106

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