



# CompactFlash card

The Global Leader in Specialized Storage and Memory Solutions



## Key Features

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

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.

# Specifications

CompactFlash Card			
Product Line	Premium	Superior	
	I800Pi	I700Sc	I600Sc
Interface	UDMA 0~4	UDMA 0~6	
Flash Type	SLC	Pseudo SLC	MLC
Form Factor	CF Type I		
Operating Temperature	-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			
Sequential Read (MB/s) up to	61	110	108
Sequential Write (MB/s) up to	55	80	46
Endurance and Reliability			
Endurance (TBW) <sup>1</sup> up to	1,280 TB	128 TB	38 TB
Reliability MTBF @ 25°C	>5,000,000 hours	>2,000,000 hours	
Reliability Number of Insertions	10,000 minimum		
Others			
Dimensions (mm)	36.4 x 42.8 x 3.3		
Certifications	CE, FCC, RoHS, UKCA		
Warranty	5 years	2 years	

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

<sup>1</sup> Under highest Sequential write value. May vary by density, configuration and applications.

▲: Customization option available on a project basis.

Product spec and its related information are subject to change without advance notice. Please refer to [www.atpinc.com](http://www.atpinc.com) for latest information

v1.0 012023

© Copyright 2022 ATP Electronics, Inc. All rights reserved.



The Global Leader in Specialized Storage and Memory Solutions

## WE BUILD WITH YOU

ATP TAIWAN (HQ)

TEL: +886-2-2659-6368  
sales-apac@atpinc.com

ATP USA

TEL: +1-408-732-5000  
sales@atpinc.com

ATP EUROPE

TEL: +49-89-374-9999-0  
sales-europe@atpinc.com

ATP JAPAN

TEL: +81-3-6260-0797  
sales-japan@atpinc.com

ATP CHINA

TEL: +86-21-5080-2220  
sales@cn.atpinc.com