



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 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.

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

▲: Customization option available on a project basis.

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) ¹ 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: L x W x H (mm)	36.4 x 42.8 x 3.3		
Certifications	CE, FCC, RoHS		
Warranty	5 years	2 years	

¹ Under highest Sequential write value. May vary by density, configuration and applications.

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

v1.0 202201

© 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