



ATP CompactFlash Card

Industrial Grade

Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications



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. ATP's own PowerProtector provides hardware-based protection that prevents data loss or corruption due to power losses or fluctuations.

Key Features

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

Applications









- Portable computation
- Automation
- Industrial PC
- Gaming
- On board data storage



Specifications

Product Name		CompactFlash Card		
Product Line		Premium	Superior	
Naming		I800Pi	I700Sc	I600Sc
Flash Type		SLC	SLC mode	MLC
Density		512 MB to 32 GB	4 GB to 16 GB	8 GB to 32 GB
Performance	Sequential Read up to (MB/s)	61	110	108
	Sequential Write up to (MB/s)	55	80	46
Interface		UDMA 0~4	UDMA 0~6	
Operating Temperature		-40°C to 85°C		0°C to 70°C
Endurance	TBW* (max.)	1,280 TB	128 TB	38 TB
	DWPD* (max.)	22.4	11.2	1.7
Reliability	MTBF @ 25°C	>5,000,000 hours		>2,000,000 hours
	Number of Insertions	10,000 minimum		
Dimensions: L x W x H (mm)		36.4 x 42.8 x 3.3		

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

Technologies & Add-On Services*		 S.M.A.R.T.	 Sudden Power-Off Recovery	 Advanced Wear Leveling	 AutoRefresh	 Dynamic Data Refresh	 Industrial Temperature	 Anti-Sulfur Resistors	 Conformal Coating
Product Line	Premium	●	●	●	●	●	●	Δ	Δ
	Superior	●		●	●	●		Δ	Δ

Δ: Customization option available on a project basis.

To learn more about this product, contact your ATP Representative.

ATP Global Footprint

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