ATP CompactFlash Card
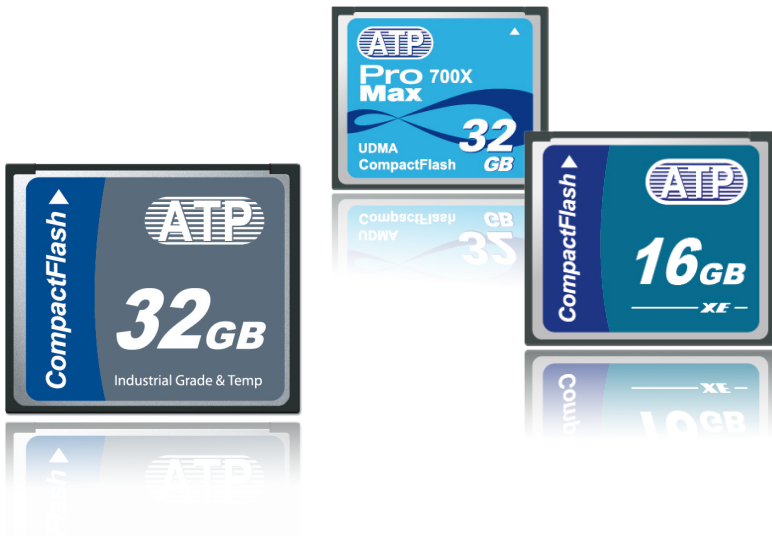# Industrial Grade

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

Applications

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

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 Power Loss Protection provides hardware-based protection that prevents data loss or corruption due to power losses or fluctuations.

Specifications

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

* Case Temperature, the composite temperature as indicated by SMART temperature attributes.
** Under highest Sequential write value. May vary by density, configuration and applications.

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.

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

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