

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 Power Loss Protection 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
- Power Loss Protection
- Power saving mode
- S.M.A.R.T. support

Applications

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





Specifications

| Product Name | | CompactFlash Card | | | | | |
|----------------------------------|-------------------------------|-------------------|---------------|----------------|--|--|--|
| Product Line | | Premium | | | | | |
| Naming | | 1800Pi | 1700Sc | 1600Sc | | | |
| 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 | | | |
| | 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 | | | |
| | MTBF @ 25°C | >5,000,000 hours | >2,000,0 | 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.

ATP Global Footprint

ATP CHINA