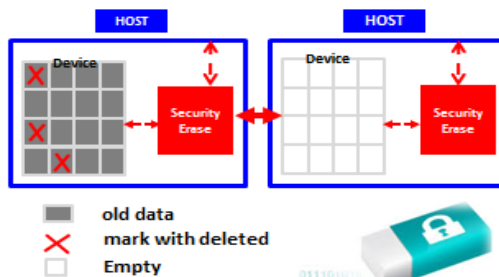


Industrial CompactFlash Card

CompactFlash™ Card is one of the most popular flash storage elements in the memory card market. By offering excellent performance and wide compatibility, Phison's CompactFlash™ Card also provides a wide range of capacities available for users. In addition, industrial-grade CompactFlash™ cards are available for any applications under rigorous environmental conditions including extensive temperature, shock and vibration.



Product Feature



- **Secure Erase**
 - ⌘ Secure Erase is a standard ATA CMD and will write all "0xFF" to fully wipe all the data on hard drives and SSDs.
 - ⌘ Phison have tool which can implement this function to erase its storage blocks and return to its factory default settings.



- **Reliable**
 - ❑ High ECC bits to correct bit errors from flash memory.
 - ❑ Over 3,500 power cycling test for data integrity as power loss.
 - ❑ pSLC technology support.
 - ❑ Self-Burn-In to screen out early bad blocks before shipment.

Main use	Common interfaces
Storage, Recording, Back up, Boot device, Database	GPS, Drive recorder, Camera, Server, Industrial PC/machines, Medical devices.

Specification

Solution	PS3016-P9
Capacity	256MB~128GB
Compliance	PCMCIA/IDE interface; CompactFlash Specification Ver 3.x, 4.x, 5.x and 6.x; PC Card Standard Rerlease 8.0
Flash Memory	SLC/MLC/pSLC
Performance*¹	Read: up to 60 MB/s Write: up to 50 MB/s
Power Consumption*¹	Active mode: < 800 mW
General Applications	Storage, Recording, Back up, Boot device, and Database in GPS, Drive recorder, Camera, Server, Industrial PC/machines, Medical devices.
Operating Voltage	DC 3.3V ~ 5.0V
Operating Temperature	0°C ~ 70°C (Silver) -40°C ~ 85°C (Diamond)
Reliability*²	CFA, serial ATA specification, IEC, ISTA 2 series
MTBF	More than 1,000,000 hours
Quality	Products are tested with both operational and non-operational status to ensure the highest qualities.

*¹ Performance and Power Consumption may differ according to flash type, flash configuration, and platform.

*² All reliability tests follow international standards

Features Support

○: Optional ⊙: Default

Solution	1	2	3	4	5	6	7
PS3016-P9	⊙	⊙	⊙	○	○	○	○

1. Error Correccion Code (ECC)

2. Static/Dynamic Wear leveling

3. Bad Block Management

4. Secure Erase

5. Detect device info/ Health card tool

6. Write Protect

7. pSLC