CompactFlash Card

The ATP Industrial Grade CompactFlash Card has enhanced endurance levels for an extended product life cycle by utilizing SLC NAND flash and the Advanced Wear Leveling technology. Moreover, AutoRefresh technology monitors the error bit levels during each read operation to ensure better data integrity.

Key Features

- SLC (Single Level Cell) NAND Flash with a longer lifespan
- MLC (Multi Level Cell) NAND Flash with higher capacity
- aMLC (*advanced*MLC) NAND flash and Global Wear Leveling technology with a longer lifespan
- Enhanced endurance with Advanced Wear Leveling algorithm
- Bad Block Management
- Read Disturb Protector - AutoRefresh to ensure data integrity during read operation
- Built-in hardware-based data protection technology during power failure – PowerProtector
- Supports S.M.A.R.T. ATA feature set
- RoHS compliant and CE/FCC certification

Specifications

Product Name	CompactFlash Card		
Flash Type	SLC	aMLC	MLC
Density	512MB to 32GB	4GB to 16GB	8GB to 32GB
Performance	Sequential Read up to 61MB/s	Sequential Read up to 110MB/s	Sequential Read up to 110MB/s
	Sequential Write up to 55MB/s	Sequential Write up to 80MB/s	Sequential Write up to 46MB/s
Interface	UDMA 0~4	UDMA 0~6	
Operation Temperature	-40°C to 85°C	0°C to 70°C	0°C to 70°C
Reliability	Advanced Wear Leveling Algorithm & Bad Block Management Algorithm		
	TBW* (max.) : 1,280 TB	TBW* (max.) : 128 TB	TBW* (max.) : 38 TB
	MTBF @25°C: >5,000,000 hours	MTBF @25°C: >2,000,000 hours	MTBF @25°C: >2,000,000 hours
	Number of Insertions: 10,000 minimum		
Dimensions: LxWxH (mm)	36.4 x 42.8 x 3.3		

*All TBW data listed are under highest sequential write value in each product line.
The TBW data are subject to change by density, configuration and customers' applications.