

# SQF-P10

## Industrial CompactFlash



## Specifications

Capacity	256MB/1G/2G/4G/8G/16G/32G
Flash Type	Toshiba 43nm SLC
Compatibility	CF 3.0, PC Card, Socket's Services
Form Factor	CF Type-I
Voltage	3.3 V / 5.0 V
Data Transfer Mode	PIO Mode-6 MWDMA Mode-2 UDMA Mode-5
Sustained R/W Performance (*)	4 channel: 83/87 MB/sec 2 channel: 43/40 MB/sec 1 channel: 22/15 MB/sec
Operation Temperature	Commercial Grade: 0 to +70° C Extended Grade: -40 to +85° C
Host interface	8/16 bit access
ECC (BCH)	Correct up to 6/12 random bits/sector
Endurance	> 5,000,000 program/erase cycles
MTBF	> 6,000,000 hours
Shock resistance	1,500 G, Peak / 0.5 ms
Vibration resistance	20 G, Peak / 80 ~ 2000 Hz

(\*)The values are for reference only; they may change according to the flash memory used.

## Ordering Information

Part No.	Product Description
SQF-P10S1-256M-CT2	SQFlash 256MB CF, 1-CH, DMA (0 ~ 70° C)
SQF-P10S1-1G-CTE	SQFlash 1G CF, 1-CH, DMA (0 ~ 70° C)
SQF-P10S2-2G-CTE	SQFlash 2G CF, 2-CH, DMA (0 ~ 70° C)
SQF-P10S2-4G-CTE	SQFlash 4G CF, 2-CH, DMA (0 ~ 70° C)
SQF-P10S2-8G-CTE	SQFlash 8G CF, 2-CH, DMA (0 ~ 70° C)
SQF-P10S2-16G-CTE	SQFlash 16G CF, 2-CH, DMA (0 ~ 70° C)
SQF-P10S4-32G-CT2	SQFlash 32G CF, 4-CH, DMA (0 ~ 70° C)
SQF-P10S1-1G-ETE	SQFlash 1G CF, 1-CH, DMA (-40 ~ 85° C)
SQF-P10S2-2G-ETE	SQFlash 2G CF, 2-CH, DMA (-40 ~ 85° C)
SQF-P10S2-4G-ETE	SQFlash 4G CF, 2-CH, DMA (-40 ~ 85° C)
SQF-P10S2-8G-ETE	SQFlash 8G CF, 2-CH, DMA (-40 ~ 85° C)
SQF-P10S2-16G-ETE	SQFlash 16G CF, 2-CH, DMA (-40 ~ 85° C)
SQF-P10S4-32G-ET2	SQFlash 32G CF, 4-CH, DMA (-40 ~ 85° C)

## Features

- Compliant with CFA 3.0 specification
- Built-in EDC/ECC up to 12 random bit errors per 512 bytes
- Advanced wear-leveling and block management
- Shock resistance, anti-vibration and low power consumption
- GUI Management Tool & Software API Package

### GUI Management Tool & Software API Package

