

# SQF-P10

Industrial CompactFlash



## Specifications

Capacity	1 G/ 2 G/ 4 G/ 8 G/ 16 GB
Flash Type	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 (*)	2 channel: 43 / 40 MB per second 1 channel: 22 / 15 MB per second
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
Vibration resistance	20 G, Peak/80 ~ 2000 Hz
Shock resistance	1,500 G, Peak / 0.5 ms

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

## Ordering Information

Part No.	Product Description
SQF-P10S1-1G-CTE	Advantech SQFlash 1 GB CF NR, DMA (0 ~ 70° C)
SQF-P10S1-1G-ETE	Advantech SQFlash 1 GB CF NR, DMA (-40 ~ 85° C)
SQF-P10S2-XG-CTE	Advantech SQFlash CF NR, DMA, 2/4/8/16 GB, (0 ~ 70° C)
SQF-P10S2-XG-ETE	Advantech SQFlash CF NR, DMA, 2/4/8/16 GB (-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
- SUSI-SQFlash software package

### GUI Management Tool & Software API Package

