

# SQF-P10

## Industrial CompactFlash



## Specifications

|                               |                                                                                                                          |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Capacity                      | 256MB/1G/2G/4G/8G/16G/32G/64G                                                                                            |
| Flash Type                    | SLC/MLC                                                                                                                  |
| Compatibility                 | CF 3.0, PC Card, Socket Services                                                                                         |
| Form Factor                   | CF Type-I                                                                                                                |
| Voltage                       | 3.3 V / 5.0 V                                                                                                            |
| Data Transfer Mode            | PIO Mode-6<br>MWDMA Mode-2<br>UDMA Mode-4 (4CH UDMA5)                                                                    |
| Sustained R/W Performance (*) | SLC 4 channel: 83/87 MB/sec<br>SLC 2 channel: 43/40 MB/sec<br>SLC 1 channel: 22/15 MB/sec<br>MLC 2 channel: 43/20 MB/sec |
| Operation Temperature         | Commercial Grade: 0 to +70° C<br>Extended Grade: -40 to +85° C                                                           |
| Host interface                | 8/16 bit access                                                                                                          |
| ECC (BCH)                     | Corrects up to 48 random bit errors per 2K bytes                                                                         |
| Endurance                     | > 5,000,000 program/erase cycles                                                                                         |
| 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-XX-P8C | SQFlash SLC 256M/1G CF, 1-CH, DMA (0 ~ 70° C)           |
| SQF-P10S2-XG-P8C | SQFlash SLC 2/4/8/16G/32G CF, 2-CH, DMA (0 ~ 70° C)     |
| SQF-P10S1-1G-P8E | SQFlash SLC 1G CF, 1-CH, DMA (-40 ~ 85° C)              |
| SQF-P10S2-XG-P8E | SQFlash SLC 2/4/8/16G/32G CF, 2-CH, DMA (-40 ~ 85° C)   |
| SQF-P10S4-XG-P8C | SQFlash SLC 4/8/16G/32G/64G CF, 4-CH, DMA (0 ~ 70° C)   |
| SQF-P10S4-XG-P8E | SQFlash SLC 4/8/16G/32G/64G CF, 4-CH, DMA (-40 ~ 85° C) |
| SQF-P10M2-XG-P9C | SQFlash MLC 16G/32G/64G CF, 2-CH, DMA (0 ~ 70° C)       |
| SQF-P10M2-XG-P9E | SQFlash MLC 16G/32G/64G CF, 2-CH, DMA (-40 ~ 85° C)     |

Note: X stands for different capacities

## Features

- Compliant with CFA 3.0 specification
- Built-in EDC/ECC up to 48 random bit errors per 2K 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

