Overview

Campbell Scientific's CFM100 module stores the datalogger’s data on a removable CompactFlash® (CF) card. The CFM100/CF card combination can be used to expand the datalogger’s memory, and transport data/programs from the field site(s) to the office. The module connects to the 40-pin peripheral port on a CR1000 or CR3000 datalogger.

Benefits and Features

- Used to expand data storage of our CR1000 and CR3000 dataloggers
- Connects to the datalogger’s peripheral port
- Small, light-weight CF cards fit in your pocket for easy transport between the datalogger and PC

CF Cards

One Type I or Type II CF card fits into the CFM100’s card slot. Campbell Scientific offers and recommends the CFMC256M, CFMC2G, and CFMC16G CF cards (see Ordering Information). To use the CFMC16G, the datalogger operating system must be OS 25 or later.

Only industrial-grade CF cards should be used with our products. Although consumer-grade cards cost less than industrial-grade cards, the consumer-grade cards are more susceptible to failure resulting in both the loss of the card and its stored data. Industrial-grade cards also function over wider temperature ranges and have longer life spans than consumer-grade cards.

Data Retrieval

Data stored on the card can be retrieved either through a communications link with the datalogger or by removing the card and carrying it to a computer. The computer can read the CF card either with the computer’s PCMCIA slot and the CF1 adapter or the computer’s USB port and the 17752 Reader/Writer.
## Ordering Information

### CompactFlash® Module

| CFM100 | CompactFlash Module for Campbell Scientific CR1000 or CR3000 dataloggers. |

### Temperature Range Options (choose one)

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<tr>
<td>ST</td>
<td>Tested -25° to +50°C</td>
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<td>XT</td>
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### Reader/Writer or Adapter

| 17752 | USB Memory Card Reader |
| CF1   | SanDisk® CompactFlash Adapter for PCMCIA Slots |

## CompactFlash Cards

| CFMC256M | 256 MB Industrial-grade CompactFlash Memory Card. The card is formatted as FAT32. |
| CFMC2G   | 2 GB Industrial-grade CompactFlash Memory Card. The card is formatted as FAT32. |
| CFMC16G  | 16 GB Industrial-grade CompactFlash Memory Card. The card is formatted as FAT32. The datalogger operating system must be OS 25 or later to read this card. |

## Specifications

### CFM100

- Typical Access Speed: 200 to 400 kbits s⁻¹
- Memory Configuration: User selectable; ring (default) or fill-and-stop
- Power Requirements: 12 V supplied through the datalogger’s peripheral port
- CF Card Requirements: Industrial grade
- Datalogger Operating System (OS): The CR1000 OS must be OS 4 or later. Both the CR1000 and CR3000 need OS 25 or later to read cards with more than 2 GB of storage.
- Dimensions: 10.0 x 8.3 x 6.5 cm (4.0 x 3.3 x 2.6 in)
- Weight: 133 g (4.7 oz)

### CFMC256M, CFMC2G, and CFMC16G

- Manufacturer: FMJ
- Card Description: Industry standard Type I
- Storage Capacity: 256 MB, 2 GB, or 16 GB
- Operating Temperature: -40° to +85°C
- Storage Temperature: -55° to +125°C (CFMC256M, CFMC2G); -50° to +100°C (CFMC16G)
- Compliancy: RoHS
- Card Format: FAT32
- Dimensions: 4.28 x 3.64 x 0.33 cm (1.69 x 1.43 x 0.13 in.)
- Weight: 10 g (0.35 oz)

### 17752 USB Reader/Writer

- Dimensions: 8.9 x 6.9 x 1.9 cm (3.5 x 2.7 x 0.75 in)
- Operating Temperature: 0° to 60°C
- Storage Temperature: -20° to 85°C
- CE Compliant

### Minimum Computer Requirements

- Windows 8, 7, Vista (SP1, SP2), XP (SP3), 2000 (SP4); MAC OS X v. 10.6.x+; or Linux v. 2.6.x+
- USB Port: USB 2.0 or 3.0

### CF1 Adapter

- Manufacturer: SanDisk
- Dimensions: 8.6 x 5.4 x 0.5 cm (3.4 x 2.1 x 0.2 in)

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*Campbell Scientific, Inc.*


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