



**Persistor Instruments recommends swissbit C-300 and C-320 series CompactFlash**

**July 2013**

Since July 2011 Persistor Instruments has recommended and sold Western Digital SiliconDrive II CompactFlash. In May 2013 Western Digital announced it will discontinue all solid state embedded product lines by November2013.

Persistor has now selected swissbit C-300 and C-320 CompactFlash for use with the Persistor CF1 and CF2. Technical support will be limited to problems using these memory cards:

- swissbit C-300 series for memory sizes from 64MB up to and including 1GB
- swissbit C-320 series for memory sizes from 2GB to 32GB

Persistor has chosen swissbit memory cards because they are manufactured with high reliability SLC NAND flash, utilize wear leveling and power-off protection, and specify controlled BOM within their part numbers. Once a specific part number is qualified, the user can count on receiving the exact same internal controller, flash type, and firmware revision whenever the same part number is reordered.

In limited testing, we have found these swissbit cards (**NOT the 440 series**) to have a similar current profile to the previously recommended Western Digital cards. This is a summary of the more detailed current specification available in the data sheets;

swissbit series	idle		read or write	
	typ	max	typ	max
C-300 (3.3V)	500uA	1.5mA	80mA	130mA
C-320 (3.3V)	500uA	1.5mA	90mA	140mA

**December 2013**

Persistor cannot offer a competitive price for these memory cards. They are available at Digikey or Mouser. Beware of long lead times. At the time of this writing the specific part numbers we recommend are;

1 GB	C-300	SFCF1024H1BK2TO-I-MS-553-SMA
2 GB	C-320	SFCF2048H1BO2TO-I-M0-543-SMA
4 GB	C-320	SFCF4096H1BO2TO-I-D1-543-SMA
8 GB	C-320	SFCF8192H1BO2TO-I-Q1-543-SMA
16 GB	C-320	SFCF16GBH1BO4TO-I-Q1-543-SMA
32 GB	C-320	SFCF32GBH1BO4TO-I-NC-543-SMA

Please remember that memory cards should always be formatted in the Persistor computer before use.