Overview

PC400 is Campbell Scientific’s mid-level datalogger support software. This versatile software supports a variety of telecommunication options, manual data collection, and data display. PC400 includes an easy-to-use program generator (Short Cut) as well as full-featured program editors (CRBasic, Edlog).

Benefits and Features

- EZSetup Wizard for easier station setup
- Data retrieval via direct connect, phone modems, Ethernet, radios (UHF, VHF or spread spectrum), or multidrop modems*
- ShortCut, Edlog, and CRBasic programming tools used to create/edit datalogger programs that measure sensors and control SDM devices, multiplexers, and relays
- Real-time or historic data displays
- Time-series graphs for unlimited elements from a data file
- Troubleshooting tools (terminal emulator and communications log)
- Device Configuration Utility for setting up Campbell hardware

Technical Description

EZSetup Wizard
To facilitate station setup, PC400 provides the EZSetup Wizard. This simple, station-oriented wizard walks the user through the setup process. The wizard can also be used to modify settings for an existing site.

Clock/Program, Monitor Data, Collect Data
These tools allow customers to set/edit the station’s settings, set the datalogger’s clock, view real-time data, set flags/ports, and collect data on demand. Communication links supported include direct connect, phone modems, Ethernet, narrow-band UHF and VHF radios, spread spectrum radios, or multidrop modems.

*PC400 does not support combined communication options (e.g., phone-to-RF), PakBus routing, or scheduled data collection. LoggerNet software is recommended for applications that require these capabilities.
Programming

PC400 offers two full-featured programming tools—the CRBasic Editor and Edlog. The CRBasic Editor uses syntax similar to BASIC programming language to provide sophisticated programming capabilities for our CR200(X)-series, CR300-series, CR6, CR800, CR850, CR1000X, CR1000, CR3000, CR5000, and CR9000(X) dataloggers.

Edlog provides programming capabilities for our CR500, CR510, CR10(X), 21X, CR23X, and CR7 dataloggers.

For those who prefer a simpler means of programming their dataloggers, PC400 includes Short Cut for Windows (SCWin). SCWin provides a wizard-like interface for generating programs for all Campbell Scientific dataloggers and supports all of our popular sensors, as well as user-created custom sensor files (using an existing sensor file as the starting point). Short Cut can also be used for the ET107, ET106, and MetData1 Weather Stations.

View Pro

View Pro allows data to be viewed in numeric format or in one of several graphical layouts, including a line graph, xy plot, histogram, rainflow, and 2D/3D FFTs. Multiple data files can be opened at once, allowing side-by-side comparison of the data. There is no limit to the number of traces that can be displayed on a graph.

Device Configuration Utility (DevConfig)

DevConfig allows you to send new operating systems to dataloggers and other devices with flash memory, configure various PakBus® settings in dataloggers, and edit settings for communication peripherals such as the NL240 and RF407. The latest DevConfig can be downloaded from our website.

Card Convert

CardConvert is used to convert and save binary data from a CompactFlash® card, microSD card, or PC Card. CompactFlash cards are compatible with our CR1000, CR3000, CR5000, and CR9000X dataloggers; microSD cards are compatible with our CR6 and CR1000X dataloggers; and PC Cards are compatible with our CR5000 and CR9000X dataloggers.

Split

Split is used to post-process data files and create reports. It sorts and combines data based on time or conditions, performs calculations on data values, converts “Day of Year” calendar dates into more traditional date/time stamps and allows variable column widths for printable reports.

Computer Requirements

- PC Operating System: Windows 10, 8, 7
- TCP/IP and Telephony services must be installed and enabled on the PC

License for Use

PC400 is protected by United States copyright law and international copyright treaty provisions. Installation of PC400 constitutes an agreement to abide by the provisions of its licensing agreement. The agreement grants the user a non-exclusive license to use the software in accordance with the following:

1. The purchase of this software allows you to install and use a single instance of the software on one physical computer or one virtual machine only.

2. This software cannot be loaded on a network server for the purposes of distribution or for access to the software by multiple operators. If the software can be used from any computer other than the computer on which it is installed, you must license a copy of the software for each additional computer from which the software may be accessed.

3. If this copy of the software is an upgrade from a previous version, you must possess a valid license for the earlier version of software. You may continue to use the earlier copy of software only if the upgrade copy and earlier version are installed and used on the same computer. The earlier version of software may not be installed and used on a separate computer or transferred to another party.

4. This software package is licensed as a single product. Its component parts may not be separated for use on more than one computer.

5. You may make one (1) backup copy of this software onto media similar to the original distribution, to protect your investment in the software in case of damage or loss. This backup copy can be used only to replace an unusable copy of the original installation media.

PC400 software may not be sold, included, or redistributed in any other software or altered in any way without prior written permission from Campbell Scientific.

View Pro displays historical data in a tabular or graphical format.