

**CTI 2500-WB CTI Workbench
Revision History**

NOTE: Installation of upgrades to CTI Workbench requires active software license

Version 1.26
Release Date: 15FEB2019

Compatible with:
2500P-ACP1 Applications Co-processor Firmware V2.0 or later

New Features and Enhancements:

Updated to Straton V9.2 editor which added the following features:

- Support for Dynamic Memory Allocation and Management of Text Buffers
- Functions to read/write arrays to file
- Functions supporting Ethernet/IP Explicit Message command
- Integrated version control with SVN
- Enhanced search generating "Find in Files" report

Added MQTT Client configuration utility

Updated sample programs, tutorials, and ACP1 User Manual

Updated Online Help

Updated CTI Product Options 'Runtime Status' to include MQTT Client, Invalid Array Index, and Scan Cycle Overrun status

Issues Resolved:

1332: Corrected calculation of size of RETAIN variables when using 2-dimension and 3-dimension arrays

Version 1.8
Release Date: 15SEP2016

Compatible with:
2500P-ACP1 Applications Co-processor Firmware V2.0 or later

New Features and Enhancements:

Updated to Straton 9.0 build #2
Changes to K5Help file and K5Help.INI (linkage file)
Installer compression changed to LZMA to reduce file size

Issues Resolved:

1236: Automatic creation of large blocks of variables with Modbus or Data Cache could hang CTI Workbench.

Version 1.6
Release Date: 09JUN2016

Compatible with:
2500P-ACP1 Applications Co-processor Firmware V2.0 or later

Issues Resolved:

1210: Removed "I2C" and "SNMP" functions from the list of functions and function blocks supported by the 2500P-ACP1.

Version 1.5
Release Date: 26MAY2016

Compatible with:
2500P-ACP1 Applications Co-processor Firmware V2.0 or later

New Features and Improvements:

- 1193: Improved validation of CTI Workbench compiler version and 2500P-ACP1 firmware version to insure compatibility. Data entry of ACP1 firmware version is now standardized using xx.yy notation (xx = Major Version / yy = Minor version).
- 1203: Changed default for maximum processing time used by CTI 2500 Series CPU to process ACP1 Data Cache messages from 5 msec to 10 msec. This setting allows faster response when large Data Cache configuration is implemented in the ACP1. The PLC uses only the time actually required for processing the Data Cache requests, and this value can be modified by the user if desired.

Any change in dialog box selected from 'Tools' menu marks the project as "modified" so the project will be rebuilt if "Build-All" option is selected.

Updated the following documentation files: Online Help, 2500P-ACP1 User Manual, and FTP Server Installation Guides for Windows-XP and Windows 7.

Added new sample programs for Ethernet-IP I/O Scanner, I/O Adapter Tag Client, and TCP/UDP client/server applications. Updated Sample Programs Guide to include descriptions of these programs.

Issues Resolved:

- 1195: Corrected variable offset verification for the CTI 2500 Data Cache interface to support a total of 4096 variables within a single Data Block.

Version 1.4
Release Date: 28APR2016
Limited Release Version

Compatible with:
2500P-ACP1 Applications Co-processor Firmware V2.0 or later

New Features and Improvements:

- 1170, 1173: Added TCP/UDP management functions that can be used for building client and/or server applications for Ethernet communications using custom (user generated) protocols. These functions are supported in the 2500P-ACP1 firmware V3.07 and later.
- 1177: Various updates to CT Workbench, including enhancements to the “look and feel” of the user interface, use of Visual Studio 2015 support package, and limiting O/S support to currently supported Microsoft products (Windows Vista/7/8/8.1/10).
- 1152, 1190: Added function to automatically ‘Renumber Offsets’ for variables inserted into Data Blocks for CAMP Client and CTI 2500 Data Cache communications.

Updated following documentation files: Online Help

Issues Resolved:

- 1160: No longer allow leading zeros in IP Address entries since most Windows-based system use a “0” to represent octal-notation number.
- 1153: Corrected validation of range allowed for a User-Specific Assembly Object “Class ID” object to match the ODVA CIP Specification (100-199 and 768-1279 decimal).

Version 1.3
Release Date: 20AUG2015

Compatible with:
2500P-ACP1 Applications Co-processor Firmware V3.03 and earlier

Issues Resolved:

- 1146: Data cache compiler error when using REAL data types

Version 1.2
Release Date: 03AUG2015

Compatible with:
2500P-ACP1 Applications Co-processor firmware V3.03 and earlier

New Features and Improvements:

Added fieldbus configuration support for ACP1 Ethernet/IP interfaces: I/O Scanner, I/O Adapter, Explicit Message Adapter, and Tag Client.

Updated on-line help system and 2500P-ACP1 User Manual in Tutorials section.

Updated FTP Server Installation and Setup Instructions in Tutorials section.

Issues Resolved:

1070: Added new syntax check for CTI Data Cache interface to prevent reuse of the same PLC address by two different project variables.

1072: Corrected intermittent problem that caused ACP1 remote firmware update to hang with error message "Failed to receive full T5 Message (Request#2, Error#4).

1077: Added compiler syntax checks to prevent invalid configurations for the CTI Data Cache interface.

1081: Corrected Product Number in "About" box.

1089: Added "Renumber Offsets" option to CAMP Server fieldbus configuration section.

1095: Corrected problem with executing UDFBs written in SFC language.

1115: Corrected calculation of bytes supported in RETAIN variable count.

Version 1.1
Release Date: 09OCT2014

Compatible with:
2500P-ACP1 Applications Co-processor V2.06 and earlier

Initial Product Release