

Release Notes - Productivity Suite

VERSION NUMBER

3.11.0.26

RELEASE DATE

Mar 30, 2022

DETAILS

Productivity Suite Release Notes

Version 3.11.0.x

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Note: If having issues installing please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Improvements:

- 1.) Added support for unsecured MQTT communications. MQTT broker DNS functionality requires CPU firmware to be upgraded to 1.2.10.x or later.
- 2.) Improved EMMSG instruction supports tag values or constants in Service ID, Class ID, Attribute ID, Instance ID and Number Elements fields.
- 3.) Added EtherNet/IP EDS library with pre-loaded EDS files for AutomationDirect.com products. The EDS library can be organized and filtered by EDS file description, part number, device type, or vendor.
- 4.) Added EtherNet/IP support for EDS files imported with the SERVER direction specified. Productivity Suite only supports the CLIENT direction, but will ignore the direction bit and allow the EDS file to be imported anyway.
- 5.) Added EtherNet/IP support for EDS files with UDINT value as an assembly member. The UDINT value is populated as a fixed number in the Forward Open message.
- 6.) Added EtherNet/IP support for T->O Run/Idle header option.

Bug Fixes:

- 1.) PS-AMC output pulse count higher when position unit includes non-zero decimal.
- 2.) PS-AMC system structure not marked as 'In Use' in tag database when assigned in hardware configuration.
- 3.) EtherNet/IP EDS file import, Connection Parameter Evaluation wrongfully dismissing valid connections. Relaxed import allowance for fixed and variable import sizes. Warning displayed if variable sizes are specified.
- 4.) EtherNet/IP EDS files: Params with Enumerated Bit-string data types incorrectly being populated.
- 5.) System Structure array tag: Cannot modify number of columns after tag is created.
- 6.) DRUM instruction round up issue when using integer tags. Value placed into the 'Elapsed Time in Current Step' tag is now a truncated value (not rounded up).
- 7.) Tag Cross Reference does not find SCL instructions.
- 8.) Simulator Run time edit will reset the Current Value of an STMR to 0.
- 9.) Simulator crashes on load unless GSW-containing rungs are disabled before transfer.
- 10.) GSW instruction has incorrect parameter numbers.
- 11.) UDS allows more than 65535 array elements.
- 12.) Default to retentive when creating new tags in project options not enabled.
- 13.) Opening E/IP devices in Hardware Configuration triggers stop-mode transfer requirement, even if no changes are made.
- 14.) EIP Client Configuration data being set bitwise incorrectly.
- 15.) Data View: constants added to Data View are briefly visible and then Data View crashes.
- 16.) Enable/Disable of rungs that call a task make CPU go to Stop Mode and generate error E04312.
- 17.) Ramp Instruction: when performing Run Time Edit with a change from Linear to S curve, the initial Accel/Jerk values are not correct.
- 18.) Find/Replace: when trying to replace a boolean tag with a constant number, the expected action does not occur.
- 19.) Import Tag Database: a UDS that contains a comment with Carriage Return(s) will fail when imported.
- 20.) Project compiles successfully with hidden errors.

VERSION NUMBER

3.10.2.1

RELEASE DATE

Oct 11, 2021

DETAILS

Productivity Suite Release Notes

Version 3.10.2.1

Release Date: 10-11-21

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Note: If having issues installing, please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Bug Fixes:

- 1.) EtherNet/IP Client Configuration data is being set bitwise incorrectly

2.) UDS allows more than 65535 array elements

VERSION NUMBER

3.10.1.8

RELEASE DATE

Sep 20, 2021

DETAILS

Productivity Suite Release Notes

Version 3.10.1.8

Release Date: 9-20-21

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Note: If having issues installing please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Bug Fixes:

- 1.) GUI does not warn user that Px-CPU has no existing project.
- 2.) MWX Instruction: Issue with MWX instruction writing to more target Modbus Holding Registers than specified.
- 3.) EDS File: GUI will not add connections from EDS file and assumes numbers as default values and is not able to extract the strings for string type parameter from the EDS file.
- 4.) EDS File Import: Import fails silently if there are Param values and Enum values configured in hex format.
- 5.) PS-AMC Hardware Setup: The units label for the axis modulo value does not properly update when scaling is changed from default. The value is scaled properly in the system but the label remains pulses when it should not.
- 6.) ProNET subscription data can be overwritten with zeros when multiple subscribers are configured.

VERSION NUMBER

3.10.0.17

RELEASE DATE

Aug 11, 2021

DETAILS

Productivity Suite Release Notes

Version 3.10.0.x

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Note: If having issues installing, please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Improvements:

- 1.) Added support for the PS-AMC motion control module.
- 2.) Added support for GS-20.
- 3.) Added support for P1-RX remote I/O module.
- 4.) Added parameter enumeration support for EtherNet/IP EDS file import.
Important note about EDS file Import enhancements: Feature enhancements have been implemented with regards to the use of EDS files and the configuration of EtherNet/IP Clients. These feature enhancements apply to EtherNet/IP devices with newly imported EDS files. Since the Productivity Suite does not store the actual EDS files, these feature enhancements will not apply to EtherNet/IP devices created from previously imported EDS files. To take full advantage of these features, EtherNet/IP devices in the EtherNet/IP Device List can be deleted and their EDS file re-imported.
- 5.) Improve navigating through the EtherNet/IP connections list.
- 6.) EtherNet/IP: Improvements made to the evaluation and usage of Socket Address info within the Forward_Open response.
- 7.) Add and Edit connection dialog change StrideLinx connection label to 'Remote/User Defined'
- 8.) Structures and Arrays with Data View Graphing – not allowing right-click on an Array Element or Structure Element and add it to the graph

Bug Fixes:

- 1.) Debug Mode isn't supported by Simulator.
- 2.) GUI allows user to remove all the tasks.
- 3.) Insufficient quantity of Modbus instructions supported by the Simulator.
- 4.) Null Pointer Exception due to deleted data that still existed in DataView.
- 5.) EMSG and RTC used with Structures, grayed out fields not consistent.
- 6.) Unselected 'Use Structure' quietly creates unwanted Structures.
- 7.) Modbus address field is not cleared (reset) when creating a Structure.
- 8.) EDS Params Min/Max/Default Adherence doesn't follow rule after '0' has been entered.
- 9.) EIP Client I/O message locks up GUI if config data parameter table has no values assigned.
- 10.) It is Possible to enter a Boolean tag in the CMP instruction.
- 11.) Problem with In-Use status when Copy/Paste between projects.

- 12.) CPoE Slave project causes CPU reset E01005 after multiple Stop Mode Loads and RUN by Master.
- 13.) EtherNet/IP Adapter: doesn't properly return 'Path size invalid' error code.
- 14.) DataView / IO View Analog Spinner control up or down arrow can change color.
- 15.) EtherNet/IP Client Message Typo when exceeding Config Data size limit.
- 16.) Typo (spelling error) on EDS Parameter config screen.
- 17.) EDS Import: Message 'Class 3 is not supported' is inaccurate and should change to 'No Class 1 Connection found'
- 18.) P3-RX Serial Ports lack hardware setup 'RTS Mode'
- 19.) High CPU usage and slow GUI response when data view is running.

VERSION NUMBER

3.9.1.5

RELEASE DATE

Jul 19, 2021

DETAILS

Productivity Suite Release Notes
Version 3.9.1.x
Release Date: 7-13-21

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Note: If having issues installing please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Improvements:

1.) Update CA certificate for new Google TLS certificates used for EMAL instruction.

Bug Fixes:

- 1.) GUI not enforcing a Stop Mode transfer when project created in a previous version of GUI that included STMR instructions. A Run Mode transfer results in critical error E04312.
- 2.) Deleting a Bit-of-word tag that is used in a Data View, then saving the project can corrupt the Project file.
- 3.) If an invalid tagname is entered in a Data View and the Data View is closed before clicking out of the field, the GUI generates errors when opening the Data View again.
- 4.) GUI not allowing Find Home command to select GPIO input 1 to Switch 1 definition if other GPIO point previously selected

VERSION NUMBER

3.9.0.26

RELEASE DATE

Mar 24, 2021

DETAILS

Productivity Suite Release Notes
Version 3.9.0.26
Release Date: 3-24-21

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Note: If having issues installing please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Improvements:

- 1.) Added selectable time base to the Simple Timer Instruction (STMR).
- 2.) Added Default to retentive when creating new tags checkbox to Tools>Option>Tag DB.
- 3.) Added Include System Information checkbox to Create System Report dialog.
- 4.) Added Input Only/Listen Only support to EtherNet/IP I/O message configuration.
- 5.) Added Input Only/Listen Only support to EDS file import.
- 6.) Copy and Paste a Boolean instruction tagname by right clicking the instruction.
- 7.) Added EtherNet/IP and CPoE support to the PLC Simulator.
- 8.) Added PID support to the PLC Simulator.
- 9.) Added StrideLinx 2.0 support.

Bug Fixes:

- 1.) Copy Array (CPA) instruction, Copy Binary option, not working in the PLC Simulator.
- 2.) PLC Simulator unable to turn on outputs in ladder logic if tag is set to forceable.

- 3.) Data View not showing Bit of Word details for Integer tags.
- 4.) Find/Replace for an array element not working.
- 5.) Unable to sort Tag DB by I/O Address.
- 6.) Debug Mode not working in the PLC Simulator.
- 7.) Print to PDF not working.
- 8.) EDS Import will not validate an assembly that is referenced before it is defined.
- 9.) Improved EDS file import display to show all available connections.
- 10.) Use Structure combo box not accepting tagname with more than 15 characters.
- 11.) Updated graphic for CPE instruction to be more consistent with CPO instruction.
- 12.) Help file zoom not working.
- 13.) Compile error prevents task with logic error from displaying.
- 14.) Problem copying specific UDS array tags retentive value to initial value on Stop Mode Transfer.
- 15.) Simulator error when starting the GUI if PC has no network connection.
- 16.) Previous versions of Productivity Suite permitted the use of tagnames that include special characters.

To address Import/Export issues, beginning with version 3.9, we no longer allow Creation of tags with these characters.

When opening a project developed with an earlier version of the GUI that has tagnames containing disallowed characters, the user will be prompted to modify the offending tagnames.

If the user chooses not to make this modification, the project will still open normally and permit project transfer. However, instructions containing these tagnames, cannot be edited.

VERSION NUMBER

3.8.0.14

RELEASE DATE

Oct 21, 2020

DETAILS

Productivity Suite Release Notes

Version 3.8.0.14

Release Date: 10-21-20

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Note: If having issues installing please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Improvements:

- 1.) Added the PLC Simulator
- 2.) Added StrideLinx Integration to CPU Connections dialog

Bug Fixes:

- 1.) Task can be created in wrong Task folder in certain situations.
- 2.) Removed the requirement from Data View of needing a non-zero value for a String tag before sending edit.
- 3.) GUI not allowing certain valid values to be configured for GS4 Parameters P3.03, P3.16, P4.00, and P4.01
- 4.) Improper activation of Complete bit when multiple CPE instructions are used in the same program
- 5.) Auto-range for X-axis on PID Tuning charts is unstable
- 6.) GUI freezes when EIP Client I/O Message has Configuration Data enabled but no values assigned
- 7.) Creating a new CPD instruction, and using the Define Tags dialog to assign new tags (tags that are not yet defined in the Tag DB), selecting Bool or Discrete Out for a data type can cause other tags that are currently being edited within the Define Tags dialog, to revert back to their original data types.
- 8.) Selecting Monitor from an instruction that contains structures results in structures being added twice to Data View.
- 9.) Certain structure types used within the VMW instructions dynamic and variable fields will not allow VMW copy/paste within ladder logic.
- 10.) If using multiple High-Speed Output modules and editing a motion instruction that has an associated input selection enabled (Registration, Trigger Group etc.), the GUI may incorrectly populate the GPIn/GPOut selection.
- 11.) GUI lockup if EtherNet/IP Client Configuration Data Parameter Table has no values assigned.
- 12.) When sorting in Data View, Strings values may not follow the View As selection.

VERSION NUMBER

3.7.1.6

RELEASE DATE

Aug 12, 2020

DETAILS

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Note: If having issues installing please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Bug Fixes:

- 1.) GUI 3.7.0.10 forces Stop Mode Transfer unnecessarily
- 2.) Modified EDS file import to be more flexible and informative on importing data types that do not match the PLC's exact data type
- 3.) In some cases, Find and Replace will not find an element of a Pre-defined Structure
- 4.) In-use User Defined Structure tags will not change Modbus addresses when tags are imported
- 5.) Data View not sending edits for an element of an array if cell has focus
- 6.) When using the Copy Array instruction with a one-dimensional array as source and two-dimensional array as the destination, data was written to incorrect offset in destination array
- 7.) GUI 3.6.1.2 disallowed Bit of Word tags for PID Loop Major Alarm Bits
- 8.) In some cases, String tags with length setting other than default (15 characters) would not import properly
- 9.) Instructions containing Tag indexes into arrays are being removed from ladder at load.
- 10.) ViewMarq instruction not allowing array indexing
- 11.) Modified TAB order for the VMW instruction

VERSION NUMBER

3.7.0.10

RELEASE DATE

Jun 24, 2020

DETAILS

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Note: If having issues installing please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Improvements:

- 1.) Added support for new P2 Modules (P2-01DC, P2-02HSC, P2-04PWM, P2-04AD-1, P2-04AD-2, P2-04DA-1, P2-04DA-2)
- 2.) Added array support for UDS Definitions
- 3.) Added ability to designate an element of a UDS as Retentive
- 4.) Added ability to designate string length of a String element in a UDS Definition

Bugs Fixes:

- 1.) Unassigned I/O not allowed to be created with a Modbus address
- 2.) Changing the data type of an element of a pre-defined structure does not update the System ID
- 3.) ProNET Publisher, outbound UDP broadcasts redirected by inbound UDP traffic

VERSION NUMBER

3.6.1.2

RELEASE DATE

Apr 30, 2020

DETAILS

Productivity Suite Release Notes
Version 3.6.1.x

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Note: If having issues installing please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Bugs Fixes:

- 1.) In some cases, customer program cannot retrieve retentive data.
- 2.) UDS Copy/Edit modifying name of original UDS members.

VERSION NUMBER

3.5.3.3

RELEASE DATE

Mar 04, 2020

DETAILS

Bugs Fixes:

- 1.) Reconciled how structure names are saved. Version 3.5.2.2 was generating compile errors on structures that compiled without error in previous versions.
- 2.) Corrects problem with GS4 VFD's Remote I/O network reconnect.
- 3.) Productivity Suite installation on non-English operating systems results in incorrect translation.

VERSION NUMBER

3.5.2.2

RELEASE DATE

Oct 29, 2019

DETAILS

Note: If having issues installing please ensure Microsoft .NET Framework 4.0.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 4.0')

Bugs Fixes:

- 1.) Empty tags in Send Email instruction (EMAL) can generate an E1005 error in the CPU.
- 2.) Missing Email structure results in ladder logic not displaying.
- 3.) CPU and Project status out of sync when using Email instruction with log file attached.
- 4.) Installer for Productivity Suite not working on some computers with Windows 10.

VERSION NUMBER

3.5.1.2

RELEASE DATE

Jul 11, 2019

DETAILS

Note: If having issues installing please ensure Microsoft .NET Framework 3.5.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 3.5')

Bugs Fixes:

- 1.) Newly created 1D or 2D arrays marked as retentive will cause E04309 Prj Ldr SRAM Init Error during run time transfer.

Note: Adding a retentive array cannot be handled by a Run Time Transfer, therefore projects must be downloaded using Stop Mode Transfer.

- 2.) Unable to enter HEX values into integer Tags through dataview.
- 3.) Creating new dataview tab with a pending dataview edit causes lock up in dataview.

VERSION NUMBER

3.5.0.16

RELEASE DATE

Jun 06, 2019

DETAILS

Note: If having issues installing please ensure Microsoft .NET Framework 3.5.x is enabled. (Control Panel->Programs & Features->Check '.NET Framework 3.5')

Improvements:

- 1.) Added support for new P1 Modules (P1-550, P1-02AC, P1-01DC, P1-02HSC, P1-04PWM, P1-04AD, P1-08ADL-1, P1-08ADL-2, P1-08DAL-1, P1-08DAL-2)
- 2.) New Task Library feature that allows you to have a task from one project to use in another project.
- 3.) Integrated support for Protos X system to be used as Remote I/O.
- 4.) Expanded support for up to 15 I/O modules.

Bugs Fixes:

- 1.) Array's in Data view not displaying data correctly after collapsing or expanding.
- 2.) Can't add additional steps to Ramp Soak (RPS) instruction once changes are accepted.
- 3.) SFR Instruction not functioning correctly when right after a Counter Instruction.
- 4.) Email does not work with array tags (Using Tags as the index).
- 5.) Using Find/Replace Tool adds prefix to new tag when trying to replace tag that is contained in index of an array.
- 6.) Sequencer step time stopping after period of time.
- 7.) Cannot Edit Project while in Debug mode dialog displayed with Autosave turned on.
- 8.) BOW compiler error against a tag with bit of word contact and an array element coil.
- 9.) SFR Instruction does not seem to properly processing when input or output is an array with an tag as an index.
- 10.) Word Swap 32 not retaining setting in Modbus Server settings.
- 11.) Array tag comments not showing in print preview or actual print.
- 12.) Changing the elements in the Ethernet/IP Adapter and doing a run time transfer does not change the elements.
- 13.) Tags may not be created from within an instruction in some situations.
- 14.) Project "saved" and "CPU up to date" are out of synch when TSYN Instruction is used.
- 15.) Able to delete MST tags in Tag DB when in Debug mode.
- 16.) Making no change to a tag name in the TagDB counts as a change in the project.
- 17.) Transferring a project, with tag(s) marked as retentive, from CPU can cause the project to become corrupted.
- 18.) When adding a subrung using keyboard shortcuts can cause the ladder to shift display area.

VERSION NUMBER

3.4.2.2

RELEASE DATE

May 21, 2019

DETAILS

- 1.) CPU may restart while creating a system report.
- 2.) Project may fail to open loading into 3.4.1.1.
- 3.) Structure tags may not get created if done within an instruction.
- 4.) Drag and Drop in DataView can cause the Wrong tags to change their state/value.

VERSION NUMBER

3.4.1.1

RELEASE DATE

Jan 07, 2019

DETAILS

Bug fixes:

- 1.) TSYN instruction not available as structure data type from Add Tags window.
- 2.) Project file and CPU status out of synch due to TSYN instruction placed in ladder.

VERSION NUMBER

3.4.0.16

RELEASE DATE

Dec 12, 2018

DETAILS

Improvements:

- 1.) Updated EMAL instruction to allow selection of Mail Account with corresponding status tags.

- 2.) Added new Mail Account in Hardware configuration to allow configuration of secure email servers (Gmail, Yahoo, AOL, etc.)
- 3.) Ability to now synch CPU clock with new Time Sync (TSYN) instruction that works in conjunction with new Network time service configuration.
- 4.) New Network Time Service configuration that allows configuration of SNTP time servers.
- 5.) Domain Name Server (DNS) added to CPU Ethernet port configuration.
- 6.) Integrated GS4 AC drives to be auto discovered using GS4-CM-MODTCP communications option module.

Note: New firmware 1.2.7.x or higher required to access some new features.

Bug fixes:

- 1.) AOUT Instruction is showing the Termination Code as Decimal when on Ladder
- 2.) Dragging and Dropping tags in Dataview can delete tags in Dataview.
- 3.) Reset in Print window not working.
- 4.) Find/Replace issue with replacing tags BOW array tags.
- 5.) Populate / Hide Parent Comments is not available for Boolean Arrays.
- 6.) CPoE Device is displaying an invalid IP Address.
- 7.) EDS import containing will cause project download to fail.
- 8.) Modbus ending address not calculated correctly when creating an array of tags.
- 9.) Import of TagDB adding extra Firmware Version [PAC] tag.
- 10.) Multiple GSR instructions, with multiple GS drives, may have memory corruption issue that cause CPU to crash.
- 11.) Multiple branches use bit of word addresses on bit of word 11th contact will not work.
- 12.) Uploading a project containing retentive string tags with extended can cause the project to become corrupted.
- 13.) Hidden array columns in Dataview reappear after collapse & expand.
- 14.) CPU only returning Modbus 1st value when reading block on integer arrays.
- 15.) RTC instruction will not let you use a constant for "Year" When "Set New Date/Time" is selected.
- 16.) Manually adding CPU connection will not work without creating a new project.

VERSION NUMBER

3.3.0.17

RELEASE DATE

Sep 19, 2018

DETAILS

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Improvements:

- 1.) Added support for new P1 Modules (P1-04RTD, P1-4ADL2DAL-1, P1-4ADL2DAL-2, P1-08NA, P1-08TA, P1-08NE3, P1-15TD1, P1-15TD2, P2-16NE3, P2-16ND3)
- 2.) Video section added in the help file containing links to Productivity Series Online Training.

Bug fixes:

- 1.) Tag name does not save in contact entry dialog.
- 2.) Creating large consecutive string 1D arrays causes GUI to crash.
- 3.) PST/PLS Table entries are displayed as grey/deselected.
- 4.) Drag and drop from Dataview to Graph no longer works.
- 5.) CPoE tab in the P3-530 hardware configuration tab is greyed out.
- 6.) CPO not showing correct length instead showing offset.
- 7.) Clicking on New Configuration in H/W config populates additional Ethernet Ports in Dropdown for EtherNet/IP Generic Client.
- 8.) Various fields showed editable while in debug mode. These are now disallowed or an error is displayed.
- 9.) Delete Tag not working as expected when using Bit of Word
- 10.) Project with corrupt tag name will not allow to change to a good tag name in ladder editor.
- 11.) EDS tab name not matching name assigned by EDS file.
- 12.) Invalid TCP port numbers being allowed for EtherNet/IP.
- 13.) Allowed subnet mask causing IP address to revert back to 10.10.10.10.
- 14.) MWX instruction should not be able to bind to PAC internal port.
- 15.) 'Retrieve ALL Firmware Versions' in 'Check Upgrade Module Firmware' dialog does not work as expected.
- 16.) End instruction not being displayed correctly in some circumstances.
- 17.) Dataview containing String Array tags may cause project not to open.
- 18.) Drag and drop from Dataview to Graph no longer works.
- 19.) Can't copy & paste between minor revision changes of the GUI.
- 20.) Options & edits showing active while in debug mode.

- 21.) CPO not showing correct length instead showing offset.
- 22.) Tag name does not save in contact entry dialog.
- 23.) CPU can not discover P3 remote bases along with GS Drives after project load and power cycle.

VERSION NUMBER

3.2.4.1

RELEASE DATE

Jul 19, 2018

DETAILS

Bug fixes:

- 1.) Tasks that contain Array Tags with comments will become corrupted.

Note: For changes or bug fixes to be applied a stop mode transfer is required.

VERSION NUMBER

3.2.3.3

RELEASE DATE

Jul 18, 2018

DETAILS

Bug fixes:

- 1.) Adding a module to the favorites in hardware configuration does not work.
- 2.) Monitoring any Array instruction with multiple elements will cause the "Monitor" mode to give the error "Maximum Monitor capacity has been reached". (versions 3.2.0.x thru 3.2.2.4)
- 3.) PID instruction using Structure tags causes compiler issue.
- 4.) TagDB import will fail if missing a tag & system ID on a row.
- 5.) Project transfer reporting "Data missing or project is corrupted" error is caused by elements of a string array containing a different string length.
- 6.) GUI displays Online after CPU Reboot even though the CPU is not connected.
- 7.) Project transfer causing "E01100 Chunk_RX Error".

VERSION NUMBER

3.2.2.4

RELEASE DATE

May 09, 2018

DETAILS

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bug fixes:

- 1.) RX instruction string field tags replaced with incorrect tag causing an internal error on compile.
- 2.) EDS import setting for variable RPI times was using milliseconds instead of microseconds.
- 3.) No defined RPI time in EDS file is defaulted to 250 milliseconds & graying out of the field. Now field is editable.
- 4.) CPE instruction does not operate correctly when used with P1-540 cpu.
- 5.) Project being corrupted by Copy & paste that causes ladder code to be hidden in a task.
- 6.) TagDB .csv file will not import if it contains Structures.

VERSION NUMBER

3.2.1.1

RELEASE DATE

Apr 24, 2018

DETAILS

Productivity Suite Release Notes
Version 3.2.1.1

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Bug fixes:

- 1.) When an EDS file is imported the software is not retaining changes to the configuration data nor being sent to the end device.

VERSION NUMBER

3.2.0.12

RELEASE DATE

Apr 18, 2018

DETAILS

Productivity Suite Release Notes
Version 3.2.0.x

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Improvements:

- 1.) Any off screen panels that were set up on multiple screens are now automatically moved back if only one screen is detected.
- 2.) Added selection for case sensitive to TagDB compare.
- 3.) Project convert from P3 to P2 with EX modules updated to populate with P2-RS instead of deleting bases.
- 4.) Added ability to import EtherNet/IP EDS files.
- 5.) Total Retentive Memory consumed & forceable tag count viewable at bottom of TagDB window.
- 6.) Added the ability to use ASCII extended character in documentation fields and tag names.

Bug fixes:

- 1.) Project file and CPU status out of synch due to invalid subrung containing an END statement.
- 2.) Could not open module properties after project convert.
- 3.) RX, WX, GSR, GSW, MRX & MWX have issue with both local and remote tags within a non-array section are being deleted when clicking in the field from another field of the dialog box.
- 4.) The 'Read Configuration' on GS properties panel displays inaccurate information.
- 5.) GS drive type mismatch causes GSW/R instructions to lose node number.
- 6.) Extended.CSV file not displaying correct Modbus Address for tags.
- 7.) PBA instruction does not work correctly when destination is a 32-bit tag.
- 8.) Issue of discovering of intelligent module with multiple P3-EX in configuration.
- 9.) Able to corrupt project TAG DB after misidentifying a P3-EX as a "P3-550" module.
- 10.) System ID column not staying active after minimizing of array in TagDB.
- 11.) CPU Watch Dog Timeout If FOR loop 'Loop Count' value if larger than 'Current loop' count integer.
- 12.) AIN Instruction is converting Uppercase Hex values to Lowercase.
- 13.) TagDB compare Boolean tag with comment not showing differences.
- 14.) TagDB compare String tag with initial value not showing differences.
- 15.) Key shortcut not working to open Project Properties (Alt-F+R)
- 16.) Debug pop up error message text updated to indicate placing CPU in stop.
- 17.) P1000 combo modules currently only converts to 1 module.
- 18.) Project convert window can open with portion of window off the display.
- 19.) EtherNet/IP Adapter Dialog "Number of Elements" object becomes confused if the user enters a leading 0.
- 20.) GS Drive Presets do not seem to be working as described in the Range Parameter.
- 21.) PAC 'Array Out of Range' non critical error does not generate after stop to run.
- 22.) Dataview, "Forceable Tags" tab can be deleted.
- 23.) Hardware Config, CPoE, structure tags were not considered In Use.
- 24.) Unpack String instruction and the source with leading zero's will cause a watchdog timeout.
- 25.) Can't insert a rung after deleting all rungs in a task.
- 26.) ProNET Publisher/Subscriber properties window "Global ID" should default to the "next available", currently it always defaults to "1".
- 27.) Drag and Drop instructions in Ladder can move the Instruction to another Task with no warning.
- 28.) Copy and Paste in Sub rungs may overwrite existing instructions.

29.) Dragging and Dropping tags in Dataview can delete tags in Dataview with a column sorted. Drag and drop is now disabled if a column is sorted.

30.) CPE instruction Byte Order selections Big and Little Endian setting not working.

VERSION NUMBER

3.1.1.1

RELEASE DATE

Feb 20, 2018

DETAILS

Bug fixes:

- 1.) Can't save a project with a rung that contains no wires or instructions. Project does not compile and gives no error.
- 2.) DWX instruction that has missing tag from source field will not compile in version 3.1.0.x
- 3.) RX instruction array and string field tags replaced with incorrect tag causing compile error.
- 4.) Project prints tags out of system ID order.

VERSION NUMBER

3.1.0.11

RELEASE DATE

Dec 13, 2017

DETAILS

Improvements:

- 1.) Added support for the new P2-xxND3-1 discrete input modules.
- 2.) Right click option added in ladder editor for show ladder options.

Bug fixes:

- 1.) Pressing "Tab" in the Rung Comments Dialog not working as expected.
- 2.) Changing some HSI/HSO configuration items does not force a Stop Mode Transfer.
- 3.) Fields not being disabled when using structures with HSO instructions.
- 4.) Windows 10 causes flashing cursor on module drag & drop in HW configuration.

VERSION NUMBER

3.0.2.2

RELEASE DATE

Dec 04, 2017

DETAILS

Productivity Suite Release Notes

Version 3.0.2.2

12/04/2017

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bug fixes:

- 1.) Some occasions a run time transfer was disabled after additon of boolean tag data type.
- 2.) Module discovery may fail if connected using P2-RS USB port.
- 3.) Pressing "END" key on keyboard does not move cursor to the end of a rung in ladder editor.
- 4.) Import/Export of string tags that contain a comma in the string is not handled correctly causing tag database issues.
- 5.) Status bar Column field indicator does not update correctly when using arrow keys on keyboard.
- 6.) GUI sending a TCP connect request causing CPU Connections dialog to not be able to find remote connections.

VERSION NUMBER

3.0.1.1

RELEASE DATE

Nov 09, 2017

DETAILS

Productivity Suite Release Notes
Version 3.0.1.1

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bug fixes:

- 1.) Tag comments do not display.
- 2.) Online programming of P2-CPU while P2-RS is offline may result in an incorrect project configuration.

VERSION NUMBER

3.0.0.31

RELEASE DATE

Nov 01, 2017

DETAILS

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Improvements:

- 1.) Added support for the new P1-540 module and all supporting I/O including (Analog, Discrete).
- 2.) Add Comments field to "Define Tags" dialog box.
- 3.) Added Alternate rung shading to help distinguish between rungs.
- 4.) Allow user to stay logged in after a project transfer with a Security Account set up.
- 5.) Import tag names without system ID assigned.
- 6.) EtherNet/IP scanners added to the I/O Overview display.
- 7.) Updated Project Convert to include new P1000 modules & ability to split or combine modules.
- 8.) New problem report window that displays all compiler errors.
- 9.) Added ability to insert a rung above or below.
- 10.) Improvement to "fit to width" & "zoom" features.
- 11.) New TagDB compare feature that allows user to compare all components of two projects.
- 12.) Added ability to set individual font justifications for Comment fields, Wire Label, System ID & Tag Names.

Bug fixes:

- 1.) High Speed Module Testing Edits not being applied to outputs.
- 2.) Typo right click in Instructions pane "Collapsible All"
- 3.) Fixed the tunable constants in function blocks when running a project comparison.
- 4.) Pin of instruction pane causes previously greyed out instructions to become available.
- 5.) PKS instruction with source values the same length as the destination makes the PKS fail.
- 6.) Ladder Tasks are not updating after Find / Replace of bit of word tags.
- 7.) Tag Export with system tag set to retentive is not showing retentive in Tag DB but will always export as retentive.
- 8.) Click on Module Info of P3 base reports error.
- 9.) Issue with a structure tag does not match between the Tag DB and Ladder.
- 10.) GS2 Drive Parameter P2.08 Range description missing 460v.
- 11.) Reassigning I/O address causes sorting issue in TagDB.
- 12.) Ctrl+K brings up single rung comment instead of multiple rung comment window.
- 13.) Hardware Config, Copy-Paste of a CPoE device, existing CPE instructions change to new device.
- 14.) Changes to user security accounts being applied without selecting apply button.
- 15.) Reading module information for P2 Base returns module information for module in slot 1.
- 16.) Find and replace does not replace non array tags in the MRX instruction.
- 17.) Project File Status and CPU Project Status never synch.
- 18.) Change Tag Names Dialog will accept . and : even though "Preview" says they are invalid.

- 19.) CPoE: Device structure member: .MessagesSent shows a value of -1 on power up, post project transfer and after closing TCP connection.
- 20.) CPoE: Device structure member: .MessagesReceived not working.
- 21.) CPE Instruction (Master to Slave) will not send/receive BCD Arrays (16 or 32 Bit).
- 22.) Project Transfer failed, P2-550 identified by GUI as PX-901.
- 23.) GS Drive Node is not displayed correctly when the Computer is set to "Adjust for best performance".
- 24.) Export TagDB with column O. with version 2.2.1.1 & higher causes KepWare import issue.
- 25.) Changing the device name of either or both an Ethernet/Ip device or CPoE device now updates any relevant instructions in the ladder using those devices.
- 26.) Change Tag Names dialog not working right when the Back Slash is used as a the new token.
- 27.) Structures with MODBUS addresses will not import if the Structure in the project already contains a MODBUS address. Even if it is the same address.
- 28.) Error when Importing Structures, where the Structure Base name contains a trailing Space.
- 29.) Unable to Import Tag DB when I/O Tags are included when Default I/O Tags are turned Off.
- 30.) GS Drive Property items P6.10 and P6.11 do not seem to function as expected.
- 31.) GS1-22P0 Motor Base Amps is unchangeable.
- 32.) GS Drives parameters P2.05, P2.06, and P2.07 entry ranges were restricted to 10x less than they should have been.
- 33.) HSO: Hardware Configuration: Channel Setup: Backlash Compensation Option -Deleting value does not clear field.

VERSION NUMBER

2.4.5.1

RELEASE DATE

Oct 12, 2017

DETAILS

Bug fixes:

- 1.) I/O messages to remote slave modules may stop after certain number of scans. Only affects systems with multiple remote I/O racks.

VERSION NUMBER

2.4.4.1

RELEASE DATE

Aug 29, 2017

DETAILS

Bug fixes:

- 1.) ProNET enable tag cannot be reassigned (returns to original tag).
- 2.) A single tag from an array element entered into DataView cannot be edited.

VERSION NUMBER

2.4.3.1

RELEASE DATE

Aug 09, 2017

DETAILS

Bug fixes:

- 1.) Project containing multiple CPE instructions causes extended compile times.

Improvement:

- 1.) Project loading time improved with projects containing CPE instructions.

Note: Projects that contain CPE instructions created with Productivity Suite versions 2.4.0(x), 2.4.1(x), and 2.4.2(x) that exhibit extended loading times, will be updated when saved with this version 2.4.3(1). Once the project has been saved, the loading time will return to normal.

VERSION NUMBER

2.4.2.2

RELEASE DATE

Jul 27, 2017

DETAILS

Productivity Suite Release Notes
Version 2.4.2.2
Release Date: 07/26/2017

Bug fixes:

- 1.) Data View not displaying correctly when trying to view an Array with an index of 0.
- 2.) Monitor mode causes GUI to lock up when an array index is out of range.
- 3.) Issue with Math instruction display in debug single step mode.

VERSION NUMBER

2.4.1.2

RELEASE DATE

Jun 29, 2017

DETAILS

Productivity Suite Release Notes
Version 2.4.1.2
Release Date: 06/29/2017

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bug fixes:

- 1.) Transferring a project from a USB pen drive or SD card will cause an E02110 FW Incompatible error if a Px-SCM module is in the system.

VERSION NUMBER

2.4.1.1

RELEASE DATE

May 10, 2017

DETAILS

Productivity Suite Release Notes
Version 2.4.1.1
Release Date: 05/10/2017

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bug fixes:

- 1.) The PKS (Pack String) instruction will only execute every other time it is triggered if the sum of the source string characters is equal to the number of characters in the destination string.
- 2.) EMAL instruction will no longer operate if a String constant is used in the Source field

VERSION NUMBER

2.4.0.16

RELEASE DATE

Dec 07, 2016

DETAILS

Productivity Suite Release Notes
Version 2.4.0.16

Release Date: 12/07/2016

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Improvements:

- 1.) New Productivity Network (ProNET) feature adds the ability to share data with other P Series CPU's easily by using the Productivity Network (PNET) setup in the hardware configuration window that is used to join a data sharing network that consists of other P-Series Controllers.
- 2.) New Custom Protocol over Ethernet (CPoE) feature allows the ability to Send or receive structured Hex Based data to/from another device over Ethernet in situations where the CPU must communicate to another device that has Hex Based communications.
- 3.) Added Check marks to indicate each step is complete in Firmware upgrade window.

Welcome to the Productivity Suite Programming Software 2.4 Release Notes

Page 2 of 22

- 4.) Added the ability to Show control characters, Show string values in hex (separated by spaces), Show string values in decimal (separated by spaces) for String tags in Data View.
- 5.) Bit of Word elements can now be viewed in Dataview by right clicking on a word and selecting "show bit of word details".

Bug fixes:

- 1.) EtherNet/IP Client Properties: Everywhere it says "Connection Point" added "Assembly Instance".
- 2.) Removed ability to clear MST bits through Data View.
- 3.) Unable to Import 2D arrays if the Array exists in the Tag DB.
- 4.) Data view IO View doesn't show actual module slot.
- 5.) Pressing Space no longer opens Module Property Page in Hardware Configuration.
- 6.) BOW for 2D array data type's exports too many BOW elements.
- 7.) EMSG instruction Connected message is setting error bit status. The status bits for the connected messages don't apply to connected messages.
- 8.) Auto assign or clear all Modbus address, Remote Access and Retentive in Structures does not work
- 9.) TagDB, Initial Values, click-away should save edits.

VERSION NUMBER

2.3.0.14

RELEASE DATE

Nov 02, 2016

DETAILS

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Improvements:

- 1.) New Instruction Return from Called Task (RFCT) used to Stop and immediately Exit from a Called Task
- 2.) Added support for new P2000 modules: P2-04DAL-1, P2-04DAL-2, P2-08NAS, P2-08TAS, P2-08TD1S, P2-08TD2S, P2-15TD1, P2-15TD2, P2-32ND3, P2-32TD1P, P2-32TD2P.

Bug fixes:

- 1.) If Sequence (SEQ) instruction is in a called task & the initial step is set to a disable step, the CPU will have an E01005 critical error.
- 2.) Error "The project's files could not be generated" is displayed when transferring the attached project.
- 3.) Customer Project causes the GUI to Hang during Transfer to CPU due to an incomplete rung.
- 4.) Unable to open P2 Module Property Page after module was moved in the base.
- 5.) Cannot Minimize Window to do project convert on smaller resolution.
- 6.) P2-550 Property Panel highlights for the Transfer to/from SD Card in hardware configuration page in the wrong area.
- 7.) Pack Word (PKW) instruction incorrectly converting from Integer 8 Bit Unsigned to Integer 16 Bit data type.

VERSION NUMBER

2.2.3.1

RELEASE DATE

Aug 30, 2016

DETAILS

Bug fixes:

- 1.) Initial value may not be updated on retentive marked tags during a stop mode transfer.

VERSION NUMBER

2.2.2.1

RELEASE DATE

Aug 03, 2016

DETAILS

Bug fixes:

- 1.) Removed the 250 msec. & 125 msec. digital filter settings in the hardware configuration for the P2-08NTC module since these settings will cause the module to become unresponsive after run or stop mode project transfer.

VERSION NUMBER

2.2.1.1

RELEASE DATE

May 19, 2016

DETAILS

Bug fixes:

- 1.) Ladder view issue when using a Boolean array on a contact with an integer tag as the index.
- 2.) Find/Replace no longer works with Bit-of-Word tags.
- 3.) Third party import using Click 2.0 or higher software causes import failure.
- 4.) On occasion the Compile Error displays incorrectly.

VERSION NUMBER

2.2.0.12

RELEASE DATE

Apr 06, 2016

DETAILS

Improvements:

- 1.) Start menu structure change for Windows 10 support.
- 2.) Added option to P3-550 to select a revision for correct retentive memory off line programming support.
- 3.) Added right click option to enable comments for bit of word and array tags in the TagDB.
- 4.) Third Party import allowing Nicknames to be imported from Click & DirectSoft projects.
- 5.) Check box added in the 'transfer project to removable media' dialog to include project source.
- 6.) Support added for new modules:
 - a.) P2-RS
 - b.) P2-08NTC
 - c.) P3-550E

Note: You must use firmware 1.2.2.x or higher for new module support. Using an older version may cause unexpected results.

Bug fixes:

- 1.) CSV Import does not enforce disallowed characters
- 2.) Import tags not working after an "undo"
- 3.) Ability to create tags with invalid characters in an instruction
- 4.) When upgrading base firmware base is not being auto selected
- 5.) 2D array sizing rules not being enforced on CSV import
- 6.) Reserved Windows characters used in task names no longer breaks GUI ladder view.
- 7.) Ability to display left power rail when scrolling to left using arrow keys.
- 8.) Project Transfer not allowed if datalogger has a non-existent tagname in Event Bit Tagname
- 9.) Search for tag in Dataview when sorted by description does not work correctly.

VERSION NUMBER

2.1.3.2

RELEASE DATE

Feb 29, 2016

DETAILS

Bug fixes:

- 1.) Task names containing a Windows reserved character or name will cause ladder to be lost for that task or increased project save times.

Note: Any project created or saved in version 2.1.3.x can't be opened in earlier versions of 2.1.x.x. Making backup copies of earlier version of projects is highly recommended.

- 2.) Array Statistics (STA) instruction displays the wrong function in the ladder editor when "MIN" or "MAX" are chosen.

VERSION NUMBER

2.1.2.1

RELEASE DATE

Feb 03, 2016

DETAILS

Productivity Suite Release Notes

Version 2.1.2.1

Release Date: 2/2/2016

- 1.) After a stop mode transfer using EtherNet/IP I/O messaging, the first output write contains previous values in registers for one RPI interval.

VERSION NUMBER

2.1.1.1

RELEASE DATE

Jan 14, 2016

DETAILS

Productivity Suite Release Notes

Version 2.1.1.1

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bug fixes:

- 1.) Editing "Show" Outputs in SEQ instruction while using structures returns an error.
- 2.) Edit -> Undo after adding a step to the SEQ instruction will cause the Outputs to be incorrect.

- 3.) EtherNet/IP warning message references P3 when using a P2.
- 4.) PAC In Run bit can be copied and pasted from an older project.
- 5.) Sub rung entered incorrectly causes the Project File Status and the CPU project status not to synch up.
- 6.) PLS Instruction, Zero Reg. Checkbox moves when clicking the object.
- 7.) Project file status marked as "not saved" unnecessarily when a structure is enabled in an instruction.

VERSION NUMBER

2.1.0.16

RELEASE DATE

Dec 16, 2015

DETAILS

Productivity Suite Release Notes
Version 2.1.0.16

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Improvements:

- 1.) Copy binary option added to Copy Array (CPA) instruction that copies the bit pattern, ignoring the numeric value it represents.
- 2.) New Programmable Limit Switch (PLS) instruction added for Px-HSI module that is used to switch discrete outputs ON or OFF based on the position of an encoder's rotating shaft.
- 3.) New Preset Table (PST) instruction added for Px-HSI module works differently from the PLS instruction and is more similar to a Drum instruction.
- 4.) Color Filled instruction blocks that allows a user the ability to enable, disable, or change the color for that group of instruction blocks in ladder.
- 5.) Added structure support for EtherNet/IP Scanner devices.
- 6.) Copy and paste of GS drives & EtherNet/IP devices in Hardware Configuration window.
- 7.) Currently connected CPU now shows up as red text in CPU connections window.
- 8.) Support added for 11 new P2 discrete & analog modules & a new power supply.
- 9.) Six new Pack/Unpack instructions added to allow greater flexibility of data handling.
 - a.) Pack Word (PKW)
 - b.) Unpack Word (UPKW)
 - c.) Pack Word Array (PWA)
 - d.) Unpack Word Array (UPWA)
 - e.) Pack Boolean Array (PBA)
 - f.) Unpack Boolean Array (UPBA)
- 10.) Ability to turn structures off in Project Properties if no Structures are in the project.

Bug fixes:

- 1.) Null Pointer exception when changing PAC IP Address for a User Defined PAC.
- 2.) Cannot compile existing project that has more then 102K retentive tags if offline.
- 3.) Not all Comments are being Imported.
- 4.) EtherNet/IP Scanner Tags are not being marked as In Use.
- 5.) Deleting a row in SEQ instruction with blank show data breaks find/replace.
- 6.) Removed DataWorx P3K option from the 2.1.x.x installer due to obsolete.
- 7.) When creating a structure in an instruction the sw allows Number constants.
- 8.) Text being truncated on instruction fields when display resolution is changed from windows default setting. Resolution setting for up to 200% now supported.

VERSION NUMBER

2.0.5.6

RELEASE DATE

Nov 04, 2015

DETAILS

Bug fixes:

- 1.) Fixed issue which allowed a structure to be named the same as antoher tag. This issue made ladder disappear in the GUI when an element of the structure was used.
- 2.) When default tags are removed from any module, odd behavior when adding back default tags.

- 3.) Constants are not allowed for the structure name when creating an structure in an instruction.
 - 4.) Structure tags on occasion may not be added to the TagDB when created.
 - 5.) Px-550 GSR(GS Drive Read) incorrect values may go into tags when toggling the manual read rapidly.
- Note: Please review Errata from link on software download page concerning changes to GSR instruction.

VERSION NUMBER

2.0.4.1

RELEASE DATE

Sep 18, 2015

DETAILS

- 1.) Fix issue with tag values and constants being changed on run time transfer.

VERSION NUMBER

2.0.3.1

RELEASE DATE

Sep 01, 2015

DETAILS

Bug fixes:

- 1.) Tag memory addresses do not hold on a run time transfer after addition or deletion of a tag thus causing possible incorrect data for those addresses.
- 2.) Saving or loading of a project file can become corrupted when control characters are imbedded into a string tag.

VERSION NUMBER

2.0.2.1

RELEASE DATE

Jul 30, 2015

DETAILS

Bug fixes:

- 1.) Deleting or modifying the order of a row in the SEQ instruction that has a blank "showdata table" will cause the find/replace feature to not execute properly.
- 2.) Cannot import the TagDB containing comments that include the "=" sign.

VERSION NUMBER

2.0.1.3

RELEASE DATE

Jun 22, 2015

DETAILS

Productivity Suite Release Notes
Version 2.0.1.3

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bug fixes:

- 1.) Not all comments are being imported after import of tag database .csv file.
- 2.) EtherNet/IP Scanner/Client tags are not being marked as in use in the tag database.
- 3.) Set retentive-tag limit to 491,520 in GUI to match hardware specifications.
- 4.) EtherNet/IP Unconnected Messages through the Internet may cause an CPU E01005 reboot.
- 5.) When deleting EtherNet/IP Scanner/Client tags from tag database would cause error on project save.

VERSION NUMBER

2.0.0.44

RELEASE DATE

Apr 22, 2015

DETAILS

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Improvements:

- 1.) Made ladder components less pixelated when zoomed.
- 2.) Compare project allows users to select P-Series project files (.adpro) and perform project-to-project comparisons on these files. In addition, the Compare Project Tool provides you with a graphical representation of your ladder logic and the ability to apply filters to perform a selective Compare. Once the Compare Project Tool has performed the comparison, it generates a report detailing the differences between the two project files.
- 3.) Increased run time limit to 5000 tags for all data types except Strings 50,000 characters, 5,000 structure elements.
- 4.) Ability to easily convert a P3000 to P2000 or P2000 to P3000 project using integrated conversion utility.
- 5.) Added ability to insert or delete a step and modify order of a step in a Drum (DRM) & Sequencer (SEQ) instructions.
- 6.) Added support for the new P2-550 module and all supporting I/O including (Analog, Discrete, High Speed, Communications).
- 7.) Ability to force a contact or coil (if force is enabled) directly from ladder, including 'forced' icon ladder components.
- 8.) Built in print to .pdf option added for printing both ladder and compare project features.
- 9.) Removed right click options from Hardware Configuration and replaced with easy to find toolbar icons.
- 10.) Most recent projects added to software startup screen.
- 11.) New I/O View feature that allows a quick and easy way to monitor all hardware points installed in a system. A user can also force on or off any discrete or analog point using I/O view.
- 12.) Updated instructions panel to have collapsable categories, including a new favorites category that allows a user to quickly add their favorite instructions to this area for quicker access.
- 13.) Added the ability to rename a task to the right click menu.
- 14.) Updated the Instruction shortcut feature with a new look, and added FLS, DBN, & TMC instructions.
- 15.) Changed to now have Monitor Mode icon description on at all times.
- 16.) Ability to now select rung(s) in ladder, and right click to send directly to print.
- 17.) Added ability to Print, Save, & Copy the DataView Graphing window with the right click option.
- 18.) Allow drag and drop or right click option of tags from DataView tabs directly into graphing window.
- 19.) Ability to drag already placed instructions in ladder and drop them into to another location in the same ladder window. In addition, by holding Ctrl + Left mouse click you can copy that same instruction to a new location.
- 20.) You can directly access the tag search feature of find/replace via DataView, TagDB, or ladder editor by right clicking on a tag, and selecting 'Tag Search for 'tag name'.
- 21.) Enhancement to Print function to allow turning off of block details on all block instructions thus compressing down the amount of printable pages.

Bug fixes:

- 1.) Monitor mode was not updating on large projects until user clicked inside the task.
- 2.) DataView Graph does not continue updates of tags on "other" tabs.
- 3.) Project status changes to saved after system report is created.
- 4.) 1.3.x projects cannot be opened with 1.10.x and newer GUIs.
- 5.) Reboot of an RX/RS while in service mode cause GUI error/warning .
- 6.) P3 base disappears after docking into available part of GUI.
- 7.) Sometimes you are not able to delete Extra Tabs in DataView.

VERSION NUMBER

1.10.2.2

RELEASE DATE

Jan 14, 2015

DETAILS

Productivity Suite Release Notes

1.10.2.2

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

- 1.) EtherNet IP Connection Point (I/O messaging) parameter value and (Explicit Messaging) Service ID, Class ID, Attribute ID and Instance ID ranges increased to 65535.
- 2.) When using brackets '[' & ']' in Find/Replace Comment search it causes invalid results to be reported.

VERSION NUMBER

1.10.1.1

RELEASE DATE

Sep 29, 2014

DETAILS

Productivity Suite Release Notes
Version 1.10.1.1
Release Date: 9/29/2014

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

- 1.) Moving tasks in a project with an LCD instruction may cause error at compile.
 - 2.) Data Logger duplicated timestamp description removed from schedule interval option.
 - 3.) H/W Config, "LCD Name", when renamed, both the default name and new name are available in LCD instruction.
 - 4.) An INC/DEC instruction may not execute when it should when referencing Boolean array indexes.
 - 5.) P3-SCM module(s) status information may become corrupted if it resides in between IO module(s) which contain MST information.
 - 6.) New Instruction short feature main pop up window has misspelling.
- Welcome to the Productivity Suite Programming Software 1.10 Release Notes
Page 2 of 14
- 7.) EMSG with whitespace in device name fails to compile.

VERSION NUMBER

1.10.0.11

RELEASE DATE

Aug 13, 2014

DETAILS

Productivity Suite Release Notes
Version 1.10.0.11
Release Date 8/13/14

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

- 1.) With RX/RS in 'service mode' does not allow the IP address to be changed
- 2.) When you try to open links in help file P006 for Agency Compliance and Certifications the software crashes.
- 3.) When you create a RX network read instruction and load to a PAC then go online and view the instruction in the GUI monitor mode the tags in the RX instruction are garbled.
- 4.) Click for insert row in Data View, the popup window has the "before selected" option in focus. Hitting the "enter" key does nothing.
- 5.) Cannot double click on an array tag in the data view window to edit the tag (like single element tag).
- 6.) Printing from Print preview screen missing pages.
- 7.) Memory Usage Calculation freezes up GUI with large project file.
- 8.) Export to KEPDirect not working correctly due to added columns of new features.
- 9.) Clicking Send Edits will send the highlighted parts of "closed" Arrays".
- 10.) Some instructions are too large for small(low resolution) screens this affects MRX, MWX, RX, WX, VMW, and DRUM instructions.
- 11.) Project Could not compile until SUM Instruction was deleted and re-added.
- 12.) The "Radian" radio button does not work in the "MATH" instruction.

- 13.) Copy Array CPA not working correctly when the dimension of an array tag is changed while monitoring.
- 14.) Find/Replace is case sensitive cause data view window to not behave correctly.
- 15.) Deleting Rows in Data View reduced the number of Rows available.
- 16.) Monitor in Data view dialog box will not close when you try to append 64 bit module points to existing Data View 1 tab.
- 17.) Ramp Generator Instruction does not work properly when using Float Data Types for Max and Min Output.
- 18.) Issue with NC contact while using multidimensional array with a tag as an array index.
- 19.) Intermittently other than default colors are shown on I/O Overview panel only.

Improvements:

- 1.) New Feature: Tag I/O Reassignment allows a user to create tag(s), at will, without knowing what initial or final I/O modules will be installed in the system. With Tag I/O Reassignment a user can create tags, then later reassign these tags to I/O points once the module configuration is setup in the Hardware Configuration.
- 2.) New Feature: Structure data types are specific sets of tags combined together for convenience. Using Structures in instructions can speed up overall programming because multiple tags are created and assigned automatically. A PAC controller contains a set of predefined structures (data types) for use with all instructions such as timers, counters, etc.
- 3.) Default I/O tags: With this option selected, when modules are added to the system their default I/O tags are automatically assigned to each I/O point. With the option deselected, when modules are added, none of the default I/O tags are assigned to the I/O points.
- 4.) New Feature (P3-550 Only): Ethernet IP supports two types of messaging supported with the Productivity3000 EtherNet/IP protocol are IO Messaging and Explicit Messaging. IO Messaging is accomplished through a Class 1 Connection and Explicit Messaging can be accomplished through a Class 3 Connection or an Unconnected Message.
- 5.) New Module: P3-SCM (Serial Control Module) - The P3-SCM is a serial communications module capable of Modbus, ASCII, and Custom Communication Protocols and able to power the C-More Micro through RS-232 (Port 1 Only).
- 6.) Full Duplex is now supported on the RS 232 port and will now have the option of Half Duplex or Full Duplex when in ASCII/ Custom Protocol mode. Full Duplex allows the serial port to transmit and receive simultaneously.
- 7.) Binary only for USB project load allows an OEM to download a file from USB pen drive without the .adpro file. This will keep unwanted users the ability to connect with the GUI and view ladder code. In addition, they will not be able to transfer from the PAC to pen drive thus protecting OEM source code.
- 8.) Data View graphing updated to allow options for line fill, line smoothing, and new tool tip to show data from a specific data point.
- 9.) Tag Export & Project Save creates two separate files "name_extended.csv" & "name_basic.csv":

Extended: Includes all fields used to edit/modify tags in the TagDB.

Basic: Minimal fields used to import tags into Cmore, KepOPC & Point of View.

- 10.) Ability to enter an existing or new tag name in ladder instead of an instruction abbreviation will pop up the Instruction Shortcut window. You have the ability to choose from a list of instructions in the drop down of either contacts or coils to quickly add a new tag without having to enter the instruction first.

VERSION NUMBER

1.9.2.0

RELEASE DATE

May 14, 2014

DETAILS

Productivity Suite Release Notes

Version 1.9.2.0

May 14, 2014

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

1. Updated USB driver files that install with software to fix issue with digital signing of USB driver files.

Note: If 1.9.1.0 was installed on a PC that had never had P3000 programming sw installed the usb driver will have to be deleted and the new sw version installed to resolve any issues.

Instructions:

1. Connect the PAC to the computer.
2. Open Device Manager and locate the Driver.
3. Right click the driver and select Uninstall. Make sure to check "Delete the Driver Software for the device"
4. Install new software with the updated drivers.

6. Watch Device manager as the driver is installed. Once the driver is complete and broken symbol is removed all is good.

VERSION NUMBER

1.9.1.0

RELEASE DATE

Jan 22, 2014

DETAILS

Bugs Fixed:

1. SEQ instruction "SHOW" is no longer displayed as a button, and clicking "SHOW" does not bring up a popup dialog.

VERSION NUMBER

1.9.0.13

RELEASE DATE

Dec 04, 2013

DETAILS

Bugs Fixed:

1. If a task name was modified or changed the appropriate Call instruction(s) were not updated with this change causing a compile error.
2. UPKS will not allow you to accept if string array is used in source.
3. Clear Edit function not refreshing in data view until user clicks away from highlighted fields.
4. Detection of 10.20 IP address assigned to the external Ethernet port in hardware configuration window.
5. Adding instructions that have multiple inputs to subrungs overwrites instructions on subrungs beneath it.
6. The 'View as' option is not working in dataview when sorting is enabled.
7. Grey out Node Address field for serial ports configured as Ascii/Custom Protocol.
8. Run time transfer should not be available when opening a project that had dimension or type changes in array tags, or length change in string tags.
9. Tab remains in PID tuning window after PID instruction is deleted.
10. When opening a project the tag database tags could become corrupted causing tags to be removed from both TagDB and Dataview.
11. Newly added tags are not updating in Monitor View.
12. Importing the TagDB is adding duplicate quotation marks to the .csv file.

Improvements:

1. Added ability to 'Go to'(CTRL+G) a specific task, rung, & column in a project.
2. MST bits now have default comments in the TagDb.
3. Removed 'Upload current RS232 & RS485' settings from Tools> Options> Project transfer. This option was never used by the GUI.
4. New free Apple iOS application available from iTunes store called 'PACDATA', PAC Data RemoteMonitor App allows the user to connect to remote PAC systems from a Wi-Fi, or cellular network connection. The Remote user can monitor the local PAC system and user tags configured for remote access inside the tag database of the PAC.
5. Can now Add & Remove rows from a Data View window.

Note: GUI 1.9.0.x or higher has new imposed hardware limits:

Max	
Number of RS or RX groups	16
Number of EX supported with CPU/RS/RX	4
Number of RS or RX groups that can be set as 'LOCAL' (NDR)	4
Number of intelligent modules in Base	11
Number of intelligent modules in Group	11
Number of intelligent modules in system	22
Number of GS eDRV modules on internal network	32
Number of MODbus TCP client connections (P3000 master)	64
Number of MODbus TCP server connections (P3000 slave)	32

VERSION NUMBER

1.8.2.1

RELEASE DATE

Jun 06, 2013

DETAILS

Productivity Suite Release Notes
Version 1.8.2.1

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

- 1) Fixed issue that would lock CPU when trying to download a project created with 1.8.0.x sw to a CPU that had firmware version earlier than 1.1.12.14. (1.1.11.28 or earlier)
- 2) GUI freezes when a hardware "Read Configuration" is done and the configuration in project does not match the physical configuration of the bases.

VERSION NUMBER

1.8.0.19

RELEASE DATE

May 15, 2013

DETAILS

Productivity Suite Release Notes
Version 1.8.0.19

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

1. Viewing text in Dataview then changing string size in TagDB, would not display correct size after download.
2. Instructions with table's text are black when disabled, should be grey.
3. Large projects could take long period during transfer or save of project file if large arrays were used in Dataview.
4. User set up P3-CPU with "illegal IP" address will cause CPU Ethernet port hard to recover. Valid IP addresses are from 1.0.0.1 to 223.255.255.254, excluding the loop back addresses 127.x.x.x.
5. Creating a system report with no project open in the GUI causes the GUI to lock up.

6. CPO instruction allows data specified to exceed 128 bytes.
7. Index out of range in array tags assigned in ladder breaks GUI.
8. Possible for integer tag to have Boolean edit value in Dataview.
9. Import Tags: Unable to import System Tags & MST bits with assigned Modbus Addresses.
10. Mouse scrolling does not work in Dataview when scrolling through elements of an array.
11. STA instruction reporting "Cannot Compile - Tag missing in instruction".
12. Software allows you to change the RS 232 port back to Modbus in hardware configuration when an ASCII instruction is being used in a project.
13. NC contact while used with multidimensional array with a tag as an array index will not work correctly.
14. Modifying the number of characters in a string in the database does not change the amount of characters you are allowed to enter into Dataview edit field if already being viewed in Dataview window.

Improvements:

1. Sorting of Dataview columns to allow ascending, descending or off.
2. New Viewmarq instruction for easy set up and use to communicate to the Viewmarq panels.
3. Improved Cross reference window with tag, task and filter options.
4. Value cursor and hover for value added to Dataview graphing window.
5. Mouse wheel scrolls ladder editor horizontally with shift key down and zooms in/out with control key down.
6. Mouse over added for icons that let user know the edited ladder has not been saved, downloaded or both.
7. Redesigned Hardware configuration window with improved graphics and ability to see hot swapped modules.
8. Cross reference search can be selected as print option.
9. P3000 programming software now supports Windows 8 OS.

VERSION NUMBER

1.7.1.1

RELEASE DATE

Jan 09, 2013

DETAILS

Productivity Suite Release Notes
Version 1.7.1.x
January 9, 2013

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

1. Reading a project from the PAC that was created with a software version older than 1.7.0.18, then do a run time transfer back to the PAC, you will get a critical error "Exxxx Prj Loader ScLibE", causing the PAC to go into stop mode.

VERSION NUMBER

1.7.0.18

RELEASE DATE

Dec 06, 2012

DETAILS

Productivity Suite Release Notes
Version 1.7.0.18
December 5, 2012

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

1. Possible 'spinner' on LCD of P3-550 using an intelligent module with analog module.
2. Creating a tag name over the 32 character limit causes tags to be removed from ladder contacts.
3. Find/Replace may not find tags with an instruction with empty (optional) tag properties.
4. Changing a GSW instruction from a GS1/GS2 to a GS3 causes the ladder for that task to disappear.
5. A saved Bit Histogram configuration without the "By Boolean Tag" assigned, this causes the inability to do a Module Move operation in hardware configuration.
6. If 'Task Comment' is enabled and a 'Rung' is highlighted, the wrong rung is selected.
7. Error message added if trying to use a String array element in an MWX instruction.
8. Error message added when maximum of 4096 rungs is exceeded in a single task.
9. OUT coil using 'use block fills on contact' option checked can be wide depending on column width.

Features added:

1. Option to 'append' tags to an already existing Dataview window.
2. Create System report that adds project(optional), connection, h/w configuration, sw & fw versions, and system info in a simple one click .zip file.
3. New 'First Scan Interval [x100=usec]' system tag that holds the value of the First Scan Time.
4. Added selectable timeout for web server in Hardware Configuration.
5. Two new system tags 'Portable Memory Device Ready' & 'Portable Memory Device Eject'.
6. New Remote Slave MST bit 'Module Ready' that indicates good communication to the P3-550.
7. Option to select P3-550 or P3-530 and go to hardware configuration window when starting a new project.
8. Can now display 'Icons with Descriptions' with drop down arrow for tool bar icons.
9. Option to select the number of recent project to remember that will be located under the File tab.
10. Under Options > Ladder tab, the ability to set Font, Font size, & color for all comments, tag name, system id, and output text.
11. Selectable 'Optimize Rung Lengths' that automatically remove white spaces above 11 columns.
12. Ability to wrap & align tag names on contacts and coils.
13. Task properties the ability to set background & wire colors for individual tasks.
14. Support for new P-530 & P3-RX modules.
15. Ability to wrap tag names, scaling, set font size individually for all text. In addition options are now saved on Print, can be manually reset.
16. Easier to use Firmware upgrade window with the ability to directly connect to an available PAC from this window.
17. Support for SRAM retentive memory increased to 492K on Rev D or higher P3-550 & all P3-530.
18. Global GUI settings for 'Editor Display Options' under Tools>Options>Ladder tab that will applied to all tasks in the project.
19. Option to 'Warn before deleting a tag that is known to be in use' under Tools>Options>TagDB tab.

VERSION NUMBER

1.6.2.4

RELEASE DATE

Nov 27, 2012

DETAILS

Productivity Suite Release Notes

Version 1.6.2.4

November 27, 2012

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

1.) Outputs intermittently stay ON in Remote Slave units during a stop mode transfer.(Only applies to software version 1.6.1.6 & 1.6.0.19)

Note: If using a version older than 1.6, upgrade of software is not required.

VERSION NUMBER

1.6.1.6

RELEASE DATE

Jul 25, 2012

DETAILS

Productivity Suite Release Notes

Version 1.6.1.6

July 25, 2012

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

1. Copy & Paste between projects can create multiple tags with the same Modbus address.
2. Dataview icon on the Monitor toolbar does not bring up Dataview Window.
3. Find/Replace fails to provide results for array tags when an index is provided. (1D and/or 2D)
4. FILI instruction in ladder, using Print Preview has rendering problems.
5. Copy-Past of an instruction using Bit-of-Word between GUIs does not create a new tag.
6. Firmware upgrade Report text indicates wrong slot number for HSO module.
7. Find/Replace fails to replace array elements with a new basic tag of the same type (1d and/or 2D)
8. Upload current retentive values and copy to initial values option not working.
9. Allow individual array tags to remain in Dataview on project upgrade from versions 1.4.1.1 or older.
10. Software locks up when transferring project with maximum monitor sessions.
11. Software fails to retrieve firmware info from the firmware file if not connected to the PAC.
12. Project containing an HSI module can still be downloaded to the PAC with older firmware.
13. When using 9 or more LCD instructions an error "LCD name not found" is generated.

14. Cannot enter and create a Bit-of-Word tag from any instruction that allows Bit-of-Word.
15. Print settings do not retain when moving between print & preview selections.
16. If a rung has 5 or more contacts and uses Bit-of-Word, the logic doesn't work correctly.
17. TagDB rename using any existing references in instructions that use Bit-of-Word will not follow the name change.

VERSION NUMBER

1.6.0.19

RELEASE DATE

Apr 25, 2012

DETAILS

Productivity Suite Release Notes
Version 1.6.0.19
April 25, 2012

IMPORTANT NOTICES: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bugs Fixed:

1. Integer & Float tags will not print.
2. Opening project file from folder using right or double click opens software, but not the project.
3. SEQ instruction if "Limit Cycles" is not enabled, done bit is not greyed out.
4. Use of array tags in PID tuning window causes error.

Features Added:

1. Support for new P3-HSO (High Speed Output), P3-HSI (High Speed Input) & P3-16TD3P (Fault Protected) modules now supported. (Note: 1.6 S/W & 1.1.12.x F/W or later Required)
2. New High Speed Instructions:
 - a. SMOV (Simple Move)
 - b. VMOV (Velocity Move)
 - c. WHSO (Write High Speed Outputs)
 - d. SPOS (Set Position)
 - e. REG (Registration)
 - f. HOME (Find Home)
3. High Speed Module Testing Utility used to quickly test motor, input & output wiring connections.
4. Web Server feature that allows viewing of read only system tags & the ability to open, save or delete files from USB pen drive (if installed).
5. Bit of Word allowing a user to gain bit level access to Integer tag data types (includes 1D and 2D arrays).
6. Updated toolbars using icons that allow convenient access to functions plus adds more workspace for ladder, dataview & task management panels.
7. PID tuning window enhancements that allow viewing up to a maximum of 5 loops & data is kept updated if moving between tabs.
8. Ability to now do a Partial search & replace tag names using Find/Replace tool.
9. Find New High Speed Instruction Filtered Option added to Instruction Search of the Find/Replace tool.
10. Firmware update tool updated with new features:
 - a. Be able to filter on selected modules from firmware file.
 - b. View firmware file off line & view firmware file version(s).
 - c. New individual firmware files in .adfw format.
 - d. New all-in-one firmware file that contains all current module firmware for easy upgrade.
 - e. 1.6 or higher software can use new .adfw or .zip file format.Note: If upgrading from version 1.1.11.28 or older a second upgrade with the same 1.1.12.x firmware file is needed in order to use the web server.
11. Leading zeros for integer's option added for PKS (Pack String) Instruction.
12. Adjusting Font size in Print window now affects ladder & characters to help reduce number of overall printed pages.

VERSION NUMBER

1.5.1.2

RELEASE DATE

Nov 30, 2011

DETAILS

Productivity Suite Release Notes
Version 1.5.1.2
November 30, 2011

IMPORTANT NOTICES:

1. Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.
 2. This version of software is required if upgrading any P3-550 unit to firmware version 1.1.11.27.
- Bugs Fixed:

1. GUI locks up while transferring projects with retentive string array enabled.
2. String Array length is reset to 0 while transferring projects with retentive to initial value option enabled.
3. 2D Array with only 1 element for the "Row" dimension displays incorrectly in Tagname Database.

VERSION NUMBER

1.5.0.21

RELEASE DATE

Nov 16, 2011

DETAILS

Productivity Suite Release Notes
Version 1.5.0.21
November 16th, 2011

IMPORTANT NOTICES:

1. Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.
2. This version of software is required if upgrading any P3-550 unit to firmware version 1.1.11.26.

Bugs Fixed:

1. After installing Productivity Suite software sometimes would come up in Demo Mode.
2. Several instructions will not fully paste into a new project. They will paste, but not all their tags will be added to the tag database.
3. P3-08THM MST tag names can be deleted in hardware configuration window.
4. Copy and pasting a task would cause duplicate task numbers.
5. Constant Strings have the wrong sizes when compiled using LCD instruction.
6. RX and TX: remote project tags are lost when saving the projects.
7. Rung Comments can be lost during normal edit operations.
8. Copying and pasting a rung with blank sub rung re-arranges rungs incorrectly after compiling.
9. After changing a tag from 32 bit to 16bit the now unused Modbus address is not freed.
10. When transferring a Project from USB Drive, duplicate SystemIDs can be created.
11. No word wrapping for Wire Label or Comment fields.
12. Monitor mode causes software to become sluggish.
13. Error Message when creating more than 1000 tags was improved to indicate a stop mode transfer is required.
14. Issue when using Tag Indexed Array Element in the Math instruction would cause wrong result.

Features Added:

1. Improvements to PRINT function to include:
 - a. Wrap rungs
 - b. Individual font setup for all comments
 - c. Print selectable task & Dataview windows
 - d. Additional tag DB print selections
2. Off delay function added to STMR instruction.
3. New Dataview tab added to Options to allow new features
4. Improvements to Dataview to include:
 - a. Live trend graphing of tags
 - b. Block fills on Discretes
 - c. Enter an entire array into Dataview
5. The ability to Monitor values to a Dataview window from any instruction or from a ladder rung(s).
6. P3-USER-M is now installed with the software & available from windows menu.
7. New integer & string system tags for firmware major & minor versions.
8. Added new options for PID bias freeze of either on or use back calculation.
9. Improved software installer that allows the installation of multiple instances of the Productivity Suite software.
10. Removed P3-550 from hardware configuration list of hardware components & removed the ability to delete the P3-550 from the base.
11. New Comment & Instruction search feature added to the Find/Replace function.
12. Added the ability to send/ receive string tags with the MRX, MWX, RX & WX instructions.
13. Added new port ready MST bits to both P3-550 & P3-RS communication ports to indicate module ports are ready after a hot swap.
14. New P3-RS I/O update rate to allow a user to set the P3-550 to scan remote I/O every scan or custom settings of number of scans or a set time period.
15. Mouse Scroll sensitivity is page by page, not rung by rung.
16. Allow reordering of Tabs in Dataview.

VERSION NUMBER

1.4.1.1

RELEASE DATE

Feb 25, 2011

DETAILS

Productivity Suite Release Notes
Version 1.4.1.1
Jan 31, 2011

IMPORTANT NOTICE: Using this version of Productivity Suite to save or download a project created with previous versions may alter the project and its functionality. Making backup copies of projects is recommended.

Bug Fixed:

1. Opening a project with Productivity Suite version 1.4.0.29 would remove the tags from the project's data logging configuration. If the project were sent to a PAC, no data would be logged. (2147)

VERSION NUMBER

1.4.0.29

RELEASE DATE

Jan 21, 2011

DETAILS

Productivity Suite Release Notes
Version 1.4.0.29
Dec 09, 2010

IMPORTANT NOTICE: Using this version of Productivity Suite to save or download a project created with previous versions will alter the project and its functionality as described below. Making backup copies of projects is recommended.

Bugs Fixed:

1. Histogram configurations lost if a runtime project transfer performed. 'Send Configuration to PAC' would need to be repeated to restore histogram function. (1866)
2. Array Statistics (STA) instruction overflow bit would not reset when error condition was removed. Overflow bit would clear upon disabling the instruction instead. (1874)
3. Improvement to printing layout of tag database. (1900)
4. Toggle Coil (TGC) instruction input was missing the edge-driven indicator, an upward facing arrow. (1921)
5. It was possible to corrupt the tag database with multiple entries of a single tag name, each having a different system ID. The issues that allowed the corruption to occur have been fixed. The integrity of the tag database is now regularly checked during editing and each time the project is compiled. (1816)
6. Data type of an array could not be changed once created. Attempting to change it would merely increment the system ID or freeze up the tag database. (1928, 1942)
7. Network Read (RX) and Network Write (WX) 'Refresh' button would not properly update the tags between the projects. (1924)
8. Functions assigned some shortcut keys are corrected. (1950)
 - a. CTRL-F9 download project from PAC
 - b. ALT-F opens File menu
 - c. ALT-S opens Setup menu
 - d. ALT-P opens PAC menu
 - e. ALT-T opens Tools menu
9. Some Ethernet situations between the programming PC and PAC were not handled properly, infrequently causing a project transfer failure. (1960)
10. The task names of multiple CALL (CALL) instructions were case-sensitive. If the case of the specified tasks did not match the character case of the task name exactly, the calls would not execute. (1961)
11. Array Statistics (STA) will now only allow Sum operation when the array is Boolean. Other mathematic functions are not allowed. (1382)
12. Using Custom Protocol Input (CPI) or Custom Protocol Out (CPO) instruction in a called task would result in a project that would halt when that task was called. (1967)
13. Dialog concerning tuning constants was misleading. Also, the project status (out of date vs. up to date) was not properly updated after changes to the tuning options. (717)
14. Project Backup Directory could not be changed. (1936)
15. A tag could be incorrectly marked as In Use even if removed from all ladder. (1948)
16. Or Out (Or) instruction not working properly with Debug Single Step. (1952)
17. DataWorx (DWX) instruction that employed a string tag for the Where field and the MAP field list was empty would not compile after reopening a project. (1976)
18. A project with more than 64 GS Drives Read (GSR) 64 GS Drives Write (GSW) instructions could cause a CPU fault on transfer, or not operate properly if a transfer was successful. (1979)
19. Copy Data (CPD) instruction would stop copying tags if one tag were erroneous (array index out of range). It will now copy all data of all valid tags even if an invalid tag is encountered. (1984)
20. Normally Closed (NC) contact using an array tag with a variable index and a branch would fail compile. (1953)
21. GS Drives Read (GSR) instruction could apply values to the wrong tags (P2.00 - P2.10) depending on which drive model is selected and which of these tags were in use. (1988)
22. It was possible for actions in Hardware Config to cause an I/O module to be missing a tag in the tag database. The cause of this issue has been fixed. If this problem is found in an existing project, drop the same module on top of the one with the missing tag. This will

regenerate the tags for it in the tag database. (2021)

23. Using Unpack String (UPKS) instruction with a Destination tag of data type 'Integer, 8 Bit Unsigned' would interpret the characters as Hex instead of Decimal values. The instruction should translate as Decimal regardless of the destination data type. (2024)
24. If a contact were shorted (wire drawn around a contact, as for troubleshooting) the values displayed in monitor mode on that rung would be misplaced. The rung would operate as expected though. (2000)
25. Having five or more PID loops in a project would cause loops to not execute. (2142)

Features Added:

1. Added features to make connections to a PAC over the internet more reliable and more manageable. (594)
 - a. Added selectable UDP Port Number to the User Defined Connections settings. Connectivity to multiple PACs behind a firewall requires unique UDP Port Numbers.
 - b. Added adjustable timeout (up to 30 seconds) for the PAC connection attempt. The setting is located under Tools/Options/Connection.
 - c. Software connection attempt to User-Defined connections will now make two retries. A connection countdown timer was added to the PAC Connections dialog to show the progress.
 - d. User-Defined PAC connections are now automatically saved and can be imported and exported for moving them between PCs.
 - e. Messaging between a PAC and Productivity Suite over Ethernet has been made more tolerant of messages being out of order, lost, or delayed.
2. CTRL-A selects all ladder in a task (1850)
3. Adding a contact in ladder will now advance the cursor to the right, instead of remaining on the new contact. (1963)
4. The cursor location will now jump to column 11 if any coil is placed somewhere other than the end of the rung. Previously, a warning would appear stating the location was invalid for a coil. (1964)
5. Added management rules and tools for in-use tags of modules being swapped or deleted in the hardware configuration. (1544)
6. The hardware configuration right click menu for the P3-550 has a new option: Enable All Hot Swap. It will mark all PAC I/O Hot Swap Enabled. It is intended for code troubleshooting in the absence of a complete hardware setup. (1822)
7. Added Standard Deviation option to Data Statistics (DATA) instruction. (1353)
8. Added option to make the inputs of several instructions level driven that were previously edge driven only. This can simplify their use in run when called tasks. (1956)
 - a. Inc/Dec (INC)
 - b. Toggle Coil (TGC)
 - c. Shift Rotate Array (SRA)
 - d. Shift Rotate Bits (SFR)
 - e. Counter (CNT)
 - f. Simple Counter (SCNT)
 - g. FIFO/LIFO (FIL)
9. The Find tool becomes Find/Replace with an expanded search area, improved display of results and selective replacement of tags. (1362)
10. PID (PID) minimum sample rate goes from 50ms to 0ms. When set to 0ms (or any value below the current scan time), the PID loop calculates on every scan. (1981)
11. Task Comments can be displayed at the top of ladder. (1943)
12. All system tags of new projects now have standard comments associated with them by default. These comments will not be added to existing projects to avoid overwriting user-entered comments. (1847)
13. Added 'Copy Binary' option to Copy (CPY) instruction. This option will copy the binary pattern from one tag to another instead of copying the value. (1940)
14. Windows 64-bit operating systems have USB port support for programming. (1990)
15. Added validation for the project version. Upon opening a project, ProductivitySuite will determine which version of ProductivitySuite was used to generate the project. If a project is being pulled forward to a new version of ProductivitySuite, the user is prompted to make a backup copy. Pulling projects backwards is not allowed and the user would be prompted to obtain the appropriate version of software to continue. (1809)

VERSION NUMBER

1.3.0.13

RELEASE DATE

Apr 05, 2010

DETAILS

Productivity Suite Release Notes

Version 1.3.0.13.

Mar 31, 2010

IMPORTANT NOTICE: Using this version of Productivity Suite to save or download a project created with previous versions will alter the project and its functionality as described below. Making backup copies of projects is recommended.

Bugs Fixed:

1. Ladder with an OR, two ANDs and another OR could execute as all ORs. (1698)
2. Logical Word (LOGW) instruction allowed float and BCD inputs. (1404)
3. The space preceding (in a constant string would be removed from the string. (1719)
4. Disabled instructions (STA, CPA, FLA, SRA, ALM, LALM, LIM, CMPV, FIB) would write to Boolean outputs. (1724)
5. Increasing the size of an existing array could cause some elements of two arrays to be assigned same memory locations. (1738)
6. ASCII Out (AOUT) instruction enable leg not labeled as edge-trigger. (1749)
7. Custom Protocol Out (CPO) instruction enable leg not labeled as edge-trigger. (1750)
8. Clear Serial Port Buffer (ACLR) instruction enable leg not labeled as edge-trigger. (1751)
9. Exported CSV does not include Initial Values for String Array. (1739)

10. Cannot embed empty parenthesis in a string literal. (1770)
11. Array tags IN USE indication not always correct. (1778)
12. Software not enforcing the limit of 64 forceable tags maximum. (1786)
13. Absolute encoder (ABSE) instruction not asserting offset to counts in Gray Code modes. (1803)
14. PID bias freeze not working properly. (1692)
15. CPD instruction could circumvent force tag if single tag was changed successively in one instruction. (1797)
16. Average (AVG) instruction time units were labeled and documented as milliseconds but executed as seconds. Execution changing to be milliseconds. (1819)
17. Average (AVG) instruction output response rate potentially altered by fast scan time or datatypes assigned. (1819)
18. Modbus Write (MWX) or Network Write (WX) instructions SKIP EXECUTION IF BUFFER IS GREATER THAN XX% FULL not functional on P3-RS serial port. (1811)

Features Added:

1. Copy/paste of a task now supported. (1716)
2. On project transfer, copy current values to initial values for retentive tags. (1617)
3. Red forced tag indicator in Data View. (1799)

VERSION NUMBER

1.2.1.5

RELEASE DATE

Jan 12, 2010

DETAILS

1.2.1.5 has minimal changes, targeted to fix an issue with forcing during run time transfer.

It should be used with P3-550 firmware revision 1.0.7.23, also released today for the purpose of fixing issues with forcing during run time transfer.

VERSION NUMBER

1.2.0.1

RELEASE DATE

Sep 10, 2009

DETAILS

Initial release.