Software Version：EasyBuilder Pro V6.05.02.712

Notice

For MT6051iP, MT6071iE or MT6102iQ (which have already been discontinued) that is running a project with an incorrect model, communication issues may occur after an extended period of time. Note that the listed products have been discontinued.

For those affected, please change to the correct model in the project and then download the project again, or update to EasyBuilder Pro V6.05.02.712 and then download the project again to resolve this issue.

Corrections

EasyBuilder Pro

1. Fixed an issue where the original password cannot be used after decompilation.
2. Fixed an issue where the event log content is not visible when using empty warning.
3. Fixed an issue where automatic login does not work after rebooting cMT HMI even with USB security key inserted.
4. Fixed an issue where reconnection after reboot is impossible when connecting to MS SQL by server name.
5. Fixed an issue where login with USB Security Key is impossible when the password length exceeds 16.
6. Fixed an issue where transparency setting of pop-up window is ineffective.
7. Fixed an issue where multi-lined text is not displayed in the specified color in an ASCII object.
8. Fixed an issue where VNC Viewer does not properly display screens with certain resolutions.
9. Fixed an issue where LB-9060 (password error bit) may sometimes be triggered by mistake when using General security mode on a cMT model.
10. Fixed an issue where under certain circumstances, a record may be occasionally

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missing when OPC UA Server reads device value.

11. Fixed an issue where the state of multi-state switch is not correctly displayed.

12. [cMT] Fixed an issue where login with USB Security Key may not be possible.

13. Optimized certain behaviors of PDF Reader.

14. Fixed an issue where EasyConverter's Multi-File management cannot properly convert dtl files.

15. Fixed an issue where the certificate for MQTT cannot be imported.

16. [cMT] Fixed an issue where in Dynamic Drawing, a border with incorrect color is drawn when drawing a filled shape.

17. Fixed issues related to the use of conversion tags.

18. Fixed an issue where under certain circumstances, system registers related to communication status give incorrect values.

19. Fixed an issue where index registers used in Combo Buttons may be ineffective.

20. Fixed an issue where it is not possible to navigate to the page which has an Event Display object whose Include categories setting is set to Dynamic Range.

Drivers

1. *[Siemens S7-1200/S7-1500 (Absolute Addressing) (Ethernet)]* Fixed an issue where the tag addresses generated from import are not correctly mapped.

2. *[YASKAWA DX100/DX200/FS100/YRC1000 Robot Controller(Ethernet)]* Fixed an issue where communication with certain bits does not work.

3. *[Siemens S7-1200/S7-1500 (S7CommPlus, Symbolic Addressing)(Ethernet)]* Optimized disconnect mechanism for multiple PLC connection.

4. *[Siemens S7-300 MPI][Siemens S7-300/ET200S (Ethernet)]* Added address types: T, C.

5. *[KEYENCE KV-8000 (Symbolic) (Ethernet)]* Added support for Function Block address.

6. *[ODVA General EtherNet/IP (Implicit Messaging)] [YASKAWA MP2300Siec (Ethernet)]* Added Electronic Key setting.

7. *[CAN Bus CANopen Slave]* Added NMT START Command address.

8. *[Schneider SoMachine M Series (Ethernet)]* Added support for more subnet mask settings.

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9. *[YOKOGAWA FA-M3]* Added address types: TP, TU, CU.

10. *[Panasonic FP (Ethernet)]* Added a protocol option that includes single-read or multi-read selection.

11. *[LEADSHINE mPLC2 Modbus RTU,TCP/IP]* Added new driver.

12. *[Siemens S7-1200/S7-1500 (S7CommPlus, Symbolic Addressing)(Ethernet)]* Added support for ap17 file import.

13. *[OPC UA Client]* Fixed an issue where data may not be correctly recorded when used with Data Sampling.

14. *[Rockwell EtherNet/IP (CompactLogix)]* Fixed compatibility issue with older CPU platforms.

15. *[KEYENCE KV8000 (Symbolic) (Ethernet)]* Optimized communication.

16. *[OPC UA Client]* Fixed an issue where certain tags cannot be used in objects even after successfully imported.

17. *[BACnet IP]* Fixed tag import issues.

18. *[Rockwell PLC]* Fixed tag import issues.

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Software Version：EasyBuilder Pro V6.05.02.526

New Supported Models

cMT3102X

Corrections

EasyBuilder Pro

1. Fixed the issue where in Operation Log, USB2 related information is not recorded for the screen hardcopy action.
2. Fixed the issue where settings may change after decompilation. (Affected setting: "Use alarm color" of numeric object)
3. (cMT) Fixed the issue where user logout does not occur automatically upon expiry when using the USB security key.
4. (cMT3072X/XH) Fixed the issue where LB-9042 is not effective.
5. (cMT) Fixed the issue related to Trend Display's channel visibility control. (Issue: channel visibility cannot be controlled by the register after having adjusting it in the option dialog.)
6. Fixed the issue where Group Library contents cannot be used in another file.
7. Fixed the issue where actions after writing of a Numeric Input object are executed too early.
8. Fixed the issue where selecting array addresses as monitor address in Option List is prohibited by the UI.
9. Fixed the issue where updated MQTT parameters are not retained following reboot.
10. Fixed the conflicts between OPC UA Server and Remote HMI that prevent them to function normally at the same time
11. Daylight Save Time of PC is taken into account in EasyConverter to avoid missing data.
12. Allowed screenshot to be saved immediately to the external device.

Drivers

1. *[Rockwell EtherNet/IP]* Fixed the issue where SINT data type is not correctly read.
2. *[Schneider Somachine M Series (Ethernet)]* Fixed the issue where the tags not used in POU cannot be read.
3. *[Siemens S7-1200/S7-1500 (S7CommPlus, Symbolic Addressing)(Ethernet)]* Added support for WString data type.

4. *[Siemens S7-1200/S7-1500 (S7CommPlus, Symbolic Addressing)(Ethernet)]* Added password setting support for PLC.

5. *[Mitsubishi FX5U –ASCII Mode (Ethernet)/Binary Mode (Ethernet)]* Fixed the issue where float array addresses are mapped incorrectly after import.

6. *[KEYENCE KV-8000 (Symbolic) (Ethernet)]* Fixed communication issue.

7. *[Dersion FFU Series]* Added new driver.

8. *[MODBUS Server (Ethernet)]* Optimized response behavior in multi-client scenario.

9. *[LS XEC FEnet(Ethernet), XGI FEnet(Ethernet)]* Expanded address range of I,Q,M,U,F,K data types.

10. *[KOYO CLICK V3 MODBUS TCP/IP]* Added new driver.

11. *[BACnet/IP]* Fixed the issue where data may not be read after long term communication under COV mode.

Software Version：EasyBuilder Pro V6.05.02.434

Corrections

1. Fixed the issue where EasyBuilder Pro allows cMT-FHDX models to set PLC Web Browser related features. At this moment, PLC Web Browser is not supported on cMT-FHDX.

2. Fixed the issue where Unicode related macro functions (UnicodeCat, UnicodeExcluding, UnicodeLength, Utf82Unicode) cannot be properly executed on HMI.

3. Fixed the issue where macro may stop abnormally after performing the described operations: Use GetData() to read data from recipe database and then use Setdata() to write the data to Tag PLC addresses.

4. Fixed the issue where MQTT topic subscriber under manual operation mode can no longer handle any data once it has processed a message that does not correctly contain all keys.

Drivers

1. *[KONNEX KNXnet/IP]*   Added [Support multiple connections] option under Tunneling mode.

2. *[Schneider MODBUS RTU]*   Added new addresses: %I, %Q, %S, %IW, %QW, %SW, %KW, %IWS, %QWS, %X, %TM_V, %TM_P, %TM_Q.

3. *[XINJE MTX XD/XL Series]*   Added new driver.

4. *[MODBUS Server]*   Fixed an issue that results in incorrect response to commands with function code 0x06(write single holding register).

Software Version：EasyBuilder Pro V6.05.02.370

Corrections

EasyBuilder Pro

1. Fixed the issue where USB related features do not work properly on cMT-SVR.
2. Fixed the issue where Scheduler does not perform actions at the correct time the first time after clocks change.
3. Fixed the issue where cMT Viewer cannot display Event Display contents when it connects to a program that is not created using V6.05.02.

Drivers

1. Added the driver **Mitsubishi M80 (Ethernet).**
2. **CODESYS V3 (Ethernet)** Added optimum communication protocols.

Software Version：EasyBuilder Pro V6.05.02.354

New Feature

1.   Added dynamic file name support for extended memory.

Corrections

1.   Fixed the issue where the label's option, ON=OFF (use state 0), of bit lamp/toggle switch is ineffective.
2.   (cMT2078X/cMT3072X/cMT3072XH) Fixed the issue where event log does not show on the web page.

Drivers

1.   Added the driver CHONG HUI Controlwell MD Series.

Software Version：EasyBuilder Pro V6.05.02.327

Corrections

1. (cMT Series HMI, cMT Viewer)
    Fixed an issue where the screen display may come to an abnormal halt when an event with the following condition has been triggered.
    Condition: The option [Enable continuous beep until acknowledged or recovered] for sound is enabled.

Software Version: EasyBuilder Pro V6.05.02.307

New Supported Models

cMT2078X, cMT2108X, cMT2158X

Models no longer supported

MT6051iP 、 MT6071iP 、 MT6103iP 、 MT6102iQ 、 MT6070iE 、 MT6071iE

New Features

EasyBuilder Pro General Features

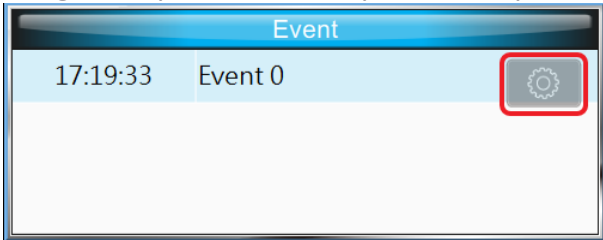|	Feature	Description
1.	**[Macro]**	Added built-in macro functions: CEIL, FLOOR, ROUND, INPORT4.
2.	**[Macro]**	Added an (optional) parameter for DATE2ASCII function; the input argument is a separator that is inserted between the year, month, day (YYYY MM DD) strings.

iP Series

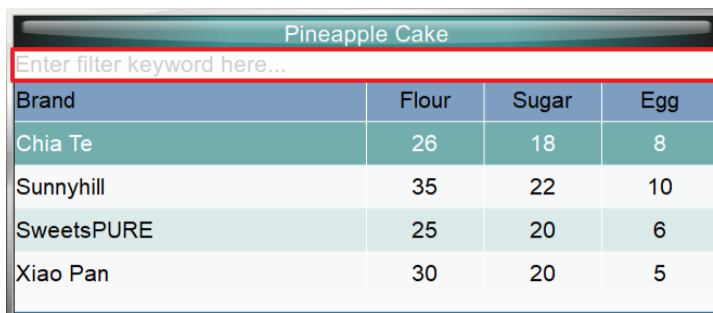Added support for the following features (categorized by type).

- **Buttons / Lamps**
  - Combo Button
  - Word Lamp – Bit Combination
- **Numeric Display**
  - Customized Display Format
  - Macro Subroutine Scaling
- **Charts**
  - Pie Chart
  - Dynamic Drawing
  - Dynamic Scale
- **Table**
- **Data Sampling**
  - Customized File Name
  - Circular Trend Display
- **Event Log**
  - Dynamic Condition
  - Statistics
- **Browser / Viewer**
  - File Browser
  - Picture View

- **Recipe Management**
  - Recipe Database
  - Recipe View
  - Recipe Import / Export
- **System Safety**
  - Enhanced Security Mode
  - Operation Log
- **Others**
  - Flow Block
  - Daylight Saving Time

cMT / cMT X Series

Feature additions listed in this section are available for cMT / cMT X series models that support the said features.

	Feature	Description
1.	**[Alarm Bar]** **[Alarm Display]** **[Event Display]** **[Event Bar Chart]**	Added "Option Button Visibility" setting. It provides an option to show/hide the Option Button or to control its visibility dynamically by a register . Note: Clicking the Option Button opens the Option dialog.

<div align="center">

Option Button

</div>

	Feature	Description
2.	**[File Transfer]**	Added support for dynamic adjustments of the FTP server connection parameters. Note: File Transfer is one of the actions that can be triggered by Action Trigger / Combo Button.
3.	**[File Transfer]**	Added the option [Delete the source file after successful transfer].
4.	**[Meter]**	Added support for visibility setting of the pin point.
5.	**[System Parameters]**	Added "Display time for min. press time" settings. Applying to buttons whose "min. press time" is non zero, it allows a countdown timer to be shown when buttons are pressed.

<div align="center">

Button and the countdown timer

</div>

	Feature	Description
6.	**[System Parameters]**	Added "Play next sound after stopping previous" option.
7.	**[SQL Query]**	Increased the SQL query command limit to 2000 characters.
8.	**[Recipe View]**	Added support for content filter.

Recipe View Filter

9.	[Enhanced Security Mode]	Added support for SSL encryption for LDAP mode.
10.	[System Registers]	Added the following system registers related to mounting of external USB devices. LW-12492 Last detected USB partition ID LW-12496 Last detected USB partition size (GB) LW-12498 Set the partition ID to be used as USB1 LW-12502 Set the partition ID to be used as USB2 The registers may be, for example, used to force an external USB to mount to a specific location, disk1 or disk 2.

All features listed in this section are added on cMT / cMT X series for compatibility with the behavior of legacy models.

	Feature	Description
1.	**[Remote HMI]**	Increased the maximum allowable to 64.
2.	**[Option List]**	Added color setting for the selected row.
3.	**[Picture View]**	Added First and Last buttons in the toolbar.
4.	**[XY Plot]** **[Trend Display]** **[Alarm Display]** **[Event Display]** **[History Data Display]**	Added picture settings.
5.	**[Media Player]**	Added [No control] mode.
6.	**[Video In]**	Added support for single image capture.
7.	**[Video In]**	Added [Use pause control] for the control address. I.e., pause command is available.
8.	**[Alarm Display]** **[Event Display]**	Added support for [Scrolling control address] designation.
9.	**[Alarm Display]** **[Event Display]**	Added support for event acknowledgement by double-click.
10.	**[Alarm Display]** **[Event Display]**	Added support for event sorting by occurrence count (real-time mode).
11.	**[System Parameters]**	Added the [Enable time synchronization with the external device when HMI starts] option.
12.	**[Recipe View]**	Added support for automatic scrolling to the view that shows the row specified by the value of RECIPE Selection.
13.	**[Recipe View]**	Added color setting for the selected row, for Default style.
14.	**[Timer(Per-page)]**	Added support for this object to use timers in individual windows.
15.	**[Scheduler]**	Added support for sound.
16.	**[Shape]**	Added support for legacy pattern types (dot and line pattern types)
17.	**[System Register]**	Added support for the following system registers related to data logs and event logs. LB-9035 : HMI free space insufficiency alarm LB-9036 : SD card free space insufficiency alarm LB-9037 : USB disk 1 free space insufficiency alarm LB-9038 : USB disk 2 free space insufficiency alarm LB-9026: delete all data sampling files on HMI memory

LB-11950: delete all data sampling files on SD card

LB-11953: delete all data sampling files on USB disk 1

LB-11956: delete all data sampling files on USB disk 2

LB-9034: save event/data sampling to HMI, USB disk, SD card

LB-9023: delete all event log files on HMI memory

LB-11941: delete all event log files on SD card

LB-11944: delete all event log files on USB disk 1

LB-11947: delete all event log files on USB disk 2

LB-9034: save event/data sampling to HMI, USB disk, SD card

cMT X Series

1. Added support for USB2.

IIoT Gateway Series

1. Added support for SQL Query.

cMT Diagnoser

1. Added support for monitoring of tag-based addresses.

2. Added support for monitoring of data in Decimal, Hexadecimal, and Binary formats.

cMT Viewer

1. Added support for connections using non-default ports. The way to use non-default ports is by entering the offset along with IP address; for example, if offset is 10000, enter 192.168.1.1:10000 in the IP field. The allowable range of offset is 0~19999. All ports used will have an offset accordingly.

EasyConverter

1. Added support for integrity check of Operation Log by Command Line Interface.

2. Added support for conversion of data logs and event logs in MS SQL / MySQL database into CSV files (using Command Line Interface).