Software Version：EasyBuilder Pro V6.01.02.413

Corrections

EasyBuilder Pro

1. Fixed a few compatibility issues that may occur when converting some earlier versions of project files.

2. Fixed an issue where certain sequence of operation steps may result in abnormal stop of EasyBuilder Pro software.

cMT Series

1. Fixed an issue where Bank Gothic Medium font is not correctly displayed.

EasyConverter

1. Fixed an issue where event.db file cannot be opened.

Drivers

1. *[ODVA EtherNet/IP (Explicit Messaging)]* Added support for Binary Access.

2. *[OMRON EtherNet/IP (NJ/NX Series)]* Fixed an issue where multi-dimensional arrays cannot be correctly read.

3. *[LS XBM/XBC/XGK CPU DIRECT]* Fixed an issue where values in S_Bit addresses are shown incorrectly.

4. *[Schneider SoMachine M Series (Ethernet)] [CODESYS V3 (Ethernet)]* Fixed an issue where considerably long arrays may not be successfully transferred using Data Transfer.

5. *[Azbil MODBUS RTU] [Azbil MODBUS TCP]* Added new driver.

6. *[CAN bus CANopen Slave]* Restored the missing driver.

Software Version：EasyBuilder Pro V6.01.02.361

Corrections

EasyBuilder Pro

1. Fixed an issue where playing video using a model without audio output may lead to memory leak.

2. **[Macro]** Fixed an issue where StringCat function cannot work properly.

3. **[Macro]** Fixed an issue where HMI may unexpectedly stop working when passing incorrect variable type to the SetData function.

4. Fixed an issue where obtaining an IP address by using LB-12041 (to refresh network information) is not possible when connection resumes following disconnection under DHCP.

5. **[MQTT]** Fixed an issue where under time-based mode, messages may no longer be sent after connection resumes when PLC data is the source for the topic.

6. **[MQTT]** Fixed an issue where resent messages are published twice by error.

7. Fixed issues related to the display of Address Grids and object addresses.

8. **[System Parameter Settings]** Fixed an issue where the device list may show incorrect items when the list contains Remote HMI or Remote PLC.

9. **[Numeric]** Fixed an issue where numeric display and calculation may generate incorrect result when using different addresses for read/write operations.

10. **[Timer]** Fixed an issue where server disconnected alarm shows and HMI can no longer be operated when ET value exceeds the upper limit of the address type used.

EasyConverter

1. Fixed an issue where the contents in "Category" column from event.db are read incorrectly.

2. Fixed an issue where millisecond information is incorrectly shown.

Drivers

1. *[Rockwell PLC]* Fixed an issue where Binary access tag in Main Program cannot be used.

2. *[OMRON EtherNet/IP (NJ/NX Series)]* Fixed an issue where incorrect result is shown in the tag import result window.

3. *[OMRON EtherNet/IP (NJ/NX Series)]* Fixed an issue where Bool Array + Index

Register cannot work properly.

4.   *[Schneider SoMachine M Series]* Fixed an issue where String cannot be written.

5.   *[Siemens S7-400 (Ethernet)]* Fixed an issue where DBBn cannot be read.

6.   *[Siemens S7-1200 (Symbolic Addressing) (Ethernet)]* Fixed an issue where multi-dimensional arrays cannot be correctly read.

7.   *[MODBUS Server]* Optimized command processing logic.

8.   *[IDEC MicroSmart]* Added support for write operation for D_Bit.

9.   *[OPC UA Client]* Added support for write operation for Word Array.

10.   *[IEC 61850 MMS Client]* Added new driver.

11.   *[Beckhoff ADS (Absolute Addressing)]* Added support for MD_FLOAT, ID_FLOAT, QD_FLOAT addresses.

Software Version：EasyBuilder Pro V6.01.02.276

Corrections

EasyBuilder Pro

1. **[Rectangle]** Fixed an issue where rectangles are not correctly drawn.

2. **[Macro]** Fixed an issue where Unicode strings are not correctly identified and processed.

3. **[Picture Library]** Fixed an issue where objects' pictures are not correctly linked to their respective libraries when opening a project file made with earlier software.

4. Fixed an issue where some dialogs are difficult to use when monitor resolution is lower than 1366x768.

Drivers

1. *Rockwell EtherNet/IP (CompactLogix)* Fixed an issue where connecting to selected PLC models is not possible.

Software Version：EasyBuilder Pro V6.01.02.254

Corrections

EasyBuilder Pro

1. **[Macro]** Fixed an issue where HMI may suddenly stop running after using RecipeQuery function for a long period of time.

2. **[Database Server]** Fixed an issue where special characters may not be correctly synchronized to MySQL.

3. Fixed an issue where the software may not function properly when opening a .mtp file created using EB8000.

4. Fixed an issue where the software may not function properly after converting an iE project file that contains Operation Log View into a cMT project file.

Drivers

1. Fixed tag import issue for *S7-1200 (symbolic addressing) (Ethernet)* driver.

Software Version：EasyBuilder Pro V6.01.02.228

Corrections

EasyBuilder Pro

1. **[Numeric]** Fixed an issue where inputting value is not possible when interpolation is used.

2. **[Database Server]** Fixed MySQL 8.0 connectivity problem. The authentication method of the login account must be set to mysql_native_password in MySQL database.

3. **[Event Bar Chart] [Event Display]** Fixed an issue where the system may not function properly when both objects are simultaneously placed in base window and popup window.

4. **[Trend Display]** Fixed an issue where enabling time scale option can make pause function ineffective.

5. **[Sound]** Changed the default beep sound for cMT series.

Drivers

1. **[ODVA EtherNet/IP (Implicit Messaging)]** Added new driver.

2. **[BACNet IP Server]** Added new driver.

3. **[Siemens S7-1200/S7-1500 (Absolute Addressing) (Ethernet)]** Added support for obtaining tag information.

4. **[MODBUS ASCII]** Added 3x_double address.

5. **[Rockwell EtherNet/IP (Compactlogix)]** Fixed tag import issue.

WE!NTEK

Software Version：EasyBuilder Pro V6.01.02.186

Corrections

EasyBuilder Pro

1. **[Numeric]** Fixed an issue that prevents entering of negative number and decimal points.

2. **[Import/Export]** Fixed an issue causing settings to go missing.

3. **[Macro]** Fixed the issue of macro content discrepancy upon file opening if macro contains lots of S7-1200 address references.

4. **[MQTT]** Fixed the problem of lost username/password parameters following HMI restart.

Drivers

1. *[Schneider SoMachine M Series (Ethernet)] [OMRON Ethernet] [YASKAWA Ethernet] [CODESYS V3 (Ethernet)]* Fixed the problem where HMI is unable to resume communication if cable is not plugged in already when HMI starts.

Software Version：EasyBuilder Pro V6.01.02.166

Corrections

EasyBuilder Pro

1. **[System Parameter Settings]** Added the option to delay device communication when HMI starts.

2. **[Pie Chart]** Fixed an issue causing incorrectly drawn chart when data source are floating point numbers.

3. **[Macro]** Fixed ASCII2DEC function's conversion error for values greater than 2147483647.

4. **[ASCII]** Fixed an issue causing incorrect display of GB coded characters.

5. **[History Data Display]** Fixed the problem where there are addresses displayed on the object as used while in fact there should not be.

6. **[Numeric]** Fixed a conversion error related to the use of macro subroutines which use 32-bit integer.

cMT+CODESYS

1. Fixed an issue causing HMI to run abnormally when both the following conditions are met: running CODESYS runtime version older than 20180723 and communicating with Ethernet type PLC.

Drivers

1. *[MODBUS ASCII]* Added 6x_Bit and 4x_Double address types.

2. *[CAN Bus 2.0A/2.0B General and SAE J1939]* Fixed an issue that prevents SetData function from working more than once within a macro.

3. *[OPC UA Client]* Optimized import/export of tags.

Software Version: EasyBuilder Pro V6.01.02.146

Supported Models

1. Added support for cMT-G03 and cMT-G04 models.

### New Features

EasyBuilder Pro

1. Added System Keyboard-Flat and System Keyboard-Standard in Picture Library for creating keyboards. The styles are shown below:

Certain project templates contain the new keyboard arrangement in window no. 83 to 90.

Common Features

1. **[Flow Block]** Added Arrow Style.

2. Added HMI time zone information in an outgoing email so that email clients can correctly interpret and display the actual send time. HMI time zone can be set in system parameter settings, and it can also be viewed or changed by System register LW-11276 during runtime.
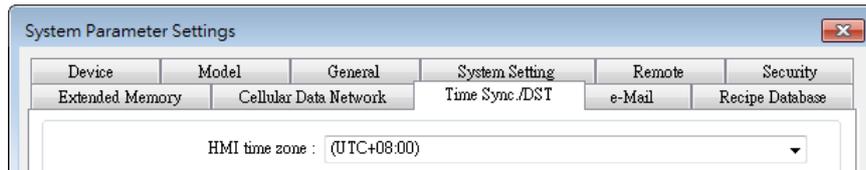
cMT Series

1. **[Function Key]** Added Title Bar and Start Position settings for popup windows.

2. **[Numeric Input] [ASCII Input]** Added [Relative to object] option for the popup position setting of a popup keypad.
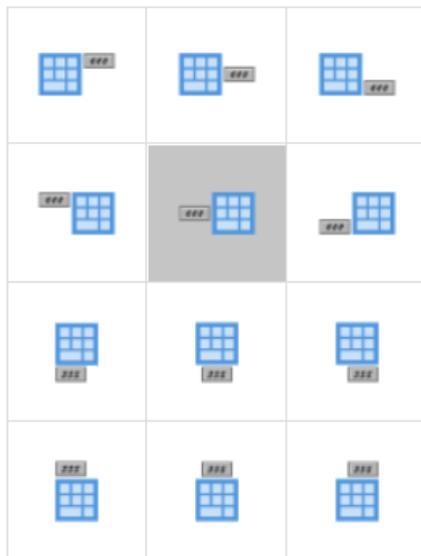
3. **[Event Bar Chart]** Added Title Bar Format setting.

4. **[SQL Query]** Added support for accessing SQLite database stored in a USB disk or SD card.
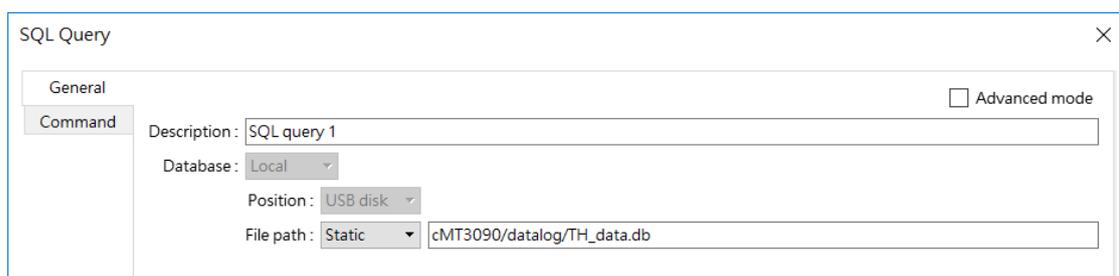
5. **[Control Token]** Added Idle Timeout setting. The control token will be released when the token possessor's HMI remains untouched for a period of time longer than Idle Timeout.

Control Token Library

	Description	Idle Timeout
1	Control Token - Local Only	0 second(s)
2	Control Token #2	60 second(s)
3	Control Token #3	360 second(s)
4	Control Token #4	15 second(s)
5	Control Token #5	999 second(s)

6. (cMT-HDMI) Added support for adjusting audio volume and backlight brightness with system registers, LW-9051 for audio volume and LW-9040 for backlight brightness.

7. (cMT3072/3090/3103/3151) Added support for 3G/4G dongle. (OS ver.20180723 or later)

cMT Gateway Series

1. Enabled **[Database Server]**.

2. Enabled **[Data Sampling]**, with support for saving historical data to local memory and synchronization with Database.

3. **[Event Log]** Added support for saving historical data to local memory and synchronization with Database.

cMT+CODESYS

1. Added support for changing CODESYS network settings using system registers.

cMT Viewer

1. Added 1:1 display mode for PC version (accessed from the right-click menu).

EasySystemSetting

1. Added support for cMT Series.

Drivers

1. Added *Beckhoff ADS (Absolute Addressing)* driver.

2. Added *Ming Yang SVG (Ethernet)* driver.

3. Added ***ARESTEK AS010 MODBUS RTU*** driver.

4. Expanded EM address range (EMD~EM18) for ***OMRON CJ/CS/CP*** and ***OMRON CJ/CS/CP (Ethernet - FINS/TCP)*** drivers.

5. Expanded Cmd. No B address range to FFFF15 for ***Toshiba Inverter VF*** driver.

6. Added NW_Bit, ZW_Bit addresses for ***LS XBM/XBC FEnet (Ethernet)*** driver.

7. Added RW_Bit, ZRW_Bit, NW_Bit, ZW_Bit addresses for ***LS XGK Cnet*** driver.

8. Added support for importing csv file for ***Haiwell PLC*** and ***Haiwell PLC (Ethernet)*** drivers.

9. Updated ***Rockwell EtherNet/IP (CompactLogix)*** to support new PLC models.