MONITOUCH

Smart Editor Ver. 1.0.2.0 Update Information

	V10	V9	TSi/TS	V8i(N)/V8(N)	X1
System program	Ver. 1.400	Ver. 3.200	Ver. 2.450	Ver. 2.390	Ver. 1.900 [*2]
OS	Ver. 1.50 [*1]	Ver. 5.00 [*1]			

[*1] Storage is necessary for updating.

[*2] Please download the X1 update program from our website. For the update procedure, refer to the "Update procedure" provided with the update program.

Connection

1 Additional connectable device: Fuji Electric FRENIC-MEGA(G2) (MODBUS TCP/IP)

Applicable model: V10/V9/TSi/X1
Device: Fuji Electric FRENIC-MEGA(G2)(MODBUS TCP/IP)

2 Additional connectable device: Fuji Electric FRENIC-Ace(E3) (MODBUS TCP/IP)

Applicable model: V10/V9/TSi/X1
Device: Fuji Electric FRENIC-Ace(E3)(MODBUS TCP/IP)

3 Additional connectable device: Fuji Electric FRENIC-Ace(E3) (MODBUS RTU)

Applicable model: V10/V9/TSi/TS/X1
Device: Fuji Electric FRENIC-Ace(E3)(MODBUS RTU)

4 Additional connectable device: MITSUBISHI ELECTRIC iQ-R Series TAG (Built-in Ethernet)

Applicable model: V10/V9/TSi/X1
Device: MITSUBISHI ELECTRIC iQ-R Series TAG (Build-in Ethernet)

<Overview>
Both tag and PLC device can be used.

5 Additional connectable device: KEYENCE KV-8000 Tag (Ethernet UDP/IP)

Applicable model: V10/V9/TSi/X1
Device: KEYENCE KV-8000 Tag (Ethernet UDP/IP)

<Overview>
Both tag and PLC device can be used.

6 Additional connectable device: CHINO LT23A (MODBUS RTU)

Applicable model: V10/V9/TSi/TS/V8i(N)/V8(N)/X1
Device: CHINO LT23A (MODBUS RTU)

7 Ladder program transfer extended specifications: 1:n connection supported

Applicable model: V10/V9/TSi/TS
Device: Fuji Electric FRENIC series (loader)
           Fuji Electric FRENIC-MEGA(G2) (MODBUS RTU)
           Fuji Electric FRENIC-Ace(E3) (MODBUS RTU)

<Overview>
The ladder transfer function supports 1:n connection for some models.

8 Ethernet(TCP/IP)connection extended specifications: Dynamic allocation of communication port numbers

Applicable model: V10/V9/X1

<Overview>
The communication port numbers of MONITOUCH can be dynamically allocated when connecting to a PLC via TCP/IP.

<Setting location>
Project View -> [Hardware Settings] tab -> [MONITOUCH Settings] -> [Unit Settings] -> [General Settings] -> [PLC]
-> [Dynamically allocate PLC communication port for TCP/IP] checkbox

9 Ethernet connection extended specifications: KeepAlive supported

Applicable model: X1/TELLUS5/TELLUS4/TELLUS4 (iPad)

<Overview>
KeepAlive function is now supported when connecting to a PLC via Ethernet.
If communication is not available, it can be detected more quickly.

<Setting location>
Project View -> [Hardware Settings] tab -> [Connection Device] -> [8Way Communication] -> [PLCn Properties] ->
[Comm. Error Handling: Disconnect] -> select [Use KeepAlive: Yes] and [KeepAlive] checkbox in PLC Table

Function

1 Video input/RGB input/RGB output supported * OS updating is necessary

Applicable model: V10xxiSxxG

Optional unit model :   GUX-00: Video input 4ch GUX-04: Video input 1ch
                        GUX-01: RGB input 1ch   GUX-11: RGB input 2ch
                        GUX-02: RGB output 1ch
                        GUX-10: Video input 2ch + RGB input 1ch

<Overview>
By attaching an optional unit "GUX-xx" onto G-type V10 series, video input/RGB input/RGB output is available.

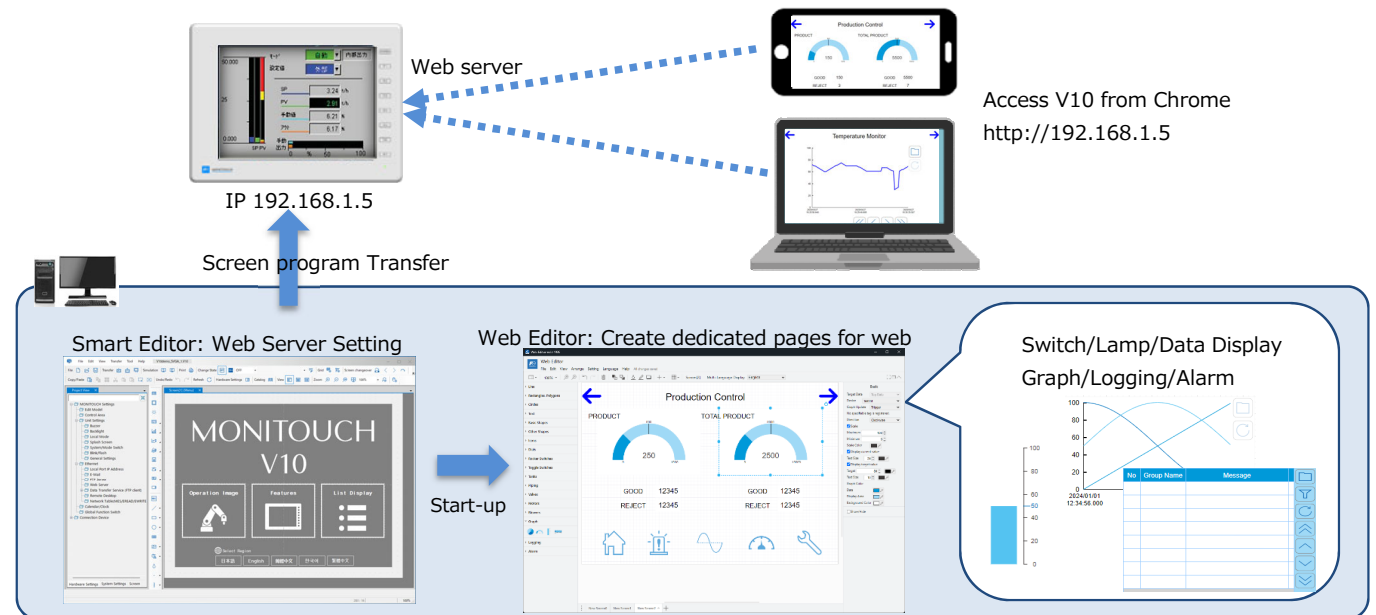## 2 Web server function supported

Applicable model: V10   * OS updating is necessary

<Overview>
V10 on the network can be monitored and operated by starting up a browser(Chrome) on a PC or tablet.

(1)No browsing software required
    Chrome on PC or tablet is all you need to monitor.
(2)Asynchronous display
    PC or tablet and V10 unit can display different screens.
(3)Multiple sessions
    Multiple PCs or tablets can be connected simultaneously. (Max. 10)
(4)Web pages
    Create dedicated web pages for PC or tablet display with Web Editor.

Simultaneous connections: Max. 10

Web server

Access V10 from Chrome
http://192.168.1.5

IP 192.168.1.5

Screen program Transfer

Smart Editor: Web Server Setting

Web Editor: Create dedicated pages for web

Switch/Lamp/Data Display
Graph/Logging/Alarm

Start-up

3 HP printer models added

Applicable model: V10   * OS updating is necessary

<Overview>
The number of printer models that can be connected to the V10 series has increased.
For more information, see "https://monitouch.fujielectric.com/img/en/pdf/printer_list_e.pdf"

4 Time server connection supported

Applicable model: V10/V9   * OS updating is necessary
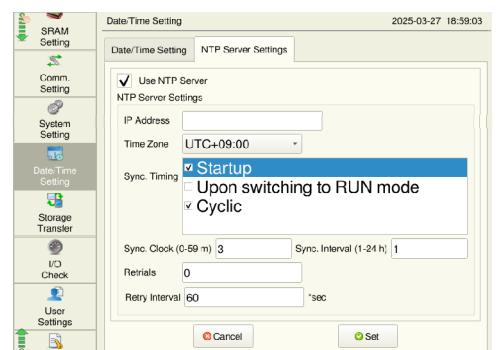
<Overview>
Time server connection is now supported. Clocks can be synchronized with a time server.

<Setting location>
Unit: [Date/Time Setting] on the Local mode screen -> [NTP Server Settings] ->
              [Use NTP Server] is selected.
              Set the NTP Server IP Address and Sync Timing, etc.

Screen data: Project View -> [Hardware Settings] tab -> [MONITOUCH Settings] ->
              [Calendar/Clock Settings] -> [Use Built-in Clock] is selected.

Function

5 System devices for the unit identification ($s1019) added

Applicable model: V10/V9/TELLUS5/TELLUS4

\<Overview\>
You can store the version information in $s1018 and the identification code of the unit in $s1019
by setting the value to the system device $s1016 with MOV macro command.

\<System devices\>

$s1016	0: System progrem version 3: Font version 4: OS version 10: PLC1 driver version 11: PLC2 driver version 12: PLC3 driver version 13: PLC4 driver version	14: PLC5 driver version 15: PLC6 driver version 16: PLC7 driver version 17: PLC8 driver version 18: Simulator version 22: Japanese conversion function(FEP) program version	Write with MOV -> V
$s1018	Stores version information based on the value set in $s1016.		V ->
$s1019	Stores the identification code of the unit on the value set in $s1016.　　NEW 　1: V9/TELLUS4 　2: V10/TELLUS5		V ->

\<Example\>
Execute $s1016=4(W) with the switch ON macro

    ∨

The OS version is stored in $s1018. $s1018=140 represents "OSVer.1.40".
The identification code is stored in $s1019. $s1019=2 represents "V10 series".

6 Barcode reading by camera function supported
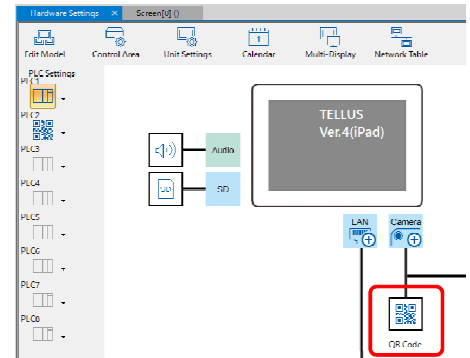
Applicable model: TELLUS4(iPad)

\<Overview\>
QR code/barcode reading using the iPad camera function is now supported.

\<Setting location\>
Project View -> [Hardware Settings] tab -> [MONITOUCH Settings]
-> [Hardware Settings] -> set [Camera]

7 Printing function of extended data sheet improved

Applicable model: X1, TELLUS5/TELLUS4

■Clearer text rendering
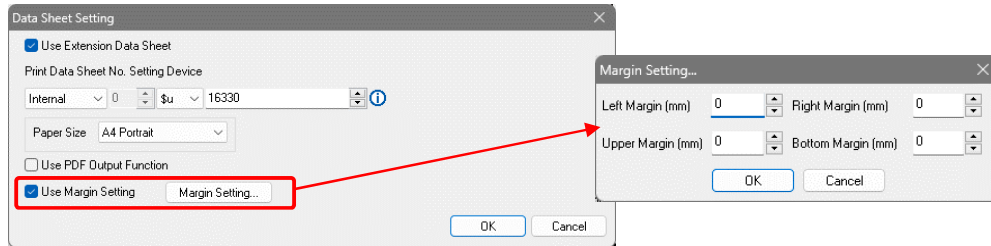\<Setting location\>
Project View -> [Hardware Settings] tab -> [MONITOUCH Settings] -> [Unit Settings] -> [General Settings] ->
[Print/PDF output] -> [Make text rendering for printing extended data sheet PDF clear] checkbox

■Margin adjustment
\<Setting location\>
Project View -> [Screen] tab -> [Data Sheet] -> [Data Sheet Setting] -> [Use Margin Setting] checkbox and set [Margin Setting]

Configuration Software

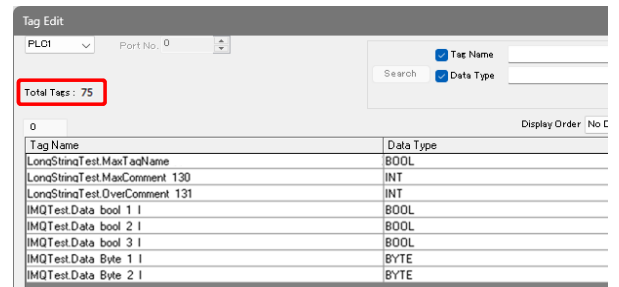**1** Tag import from Siemens TIA Portal extended

\<Overview\>
(1)TIA project files (*.ap19) created with TIA Portal Ver.19
can be imported.
(2)Import is executed only when either of the following is checked
in the TIA Portal settings.
- Properties -> Attributes -> Data block accessible from OPC UA
- General -> Attributes -> Usage -> Acessible from HMI /OPC UA /Web API
(3)After executing the import, the total number of tags is displayed.

2 Trend: Number of points to display increased

Applicable model: TELLUS5

<Overview>
The number of [Points to Display] of trend parts has been increased to max 3840.
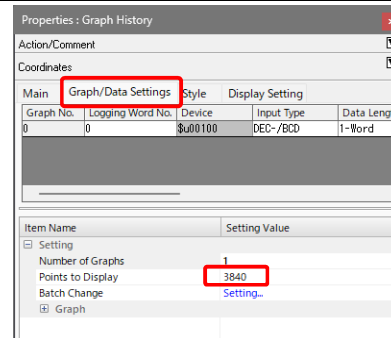When creating a screen of [Size: 3840x2160],
points to display of trend parts can be set up to 3840.

<Setting location>
Trend Parts -> [Graph/Data Settings] -> [Setting] -> [Points to display]

<Note>
Make sure not to set a value larger than "the width" of the trend part. The graph cannot be displayed properly.
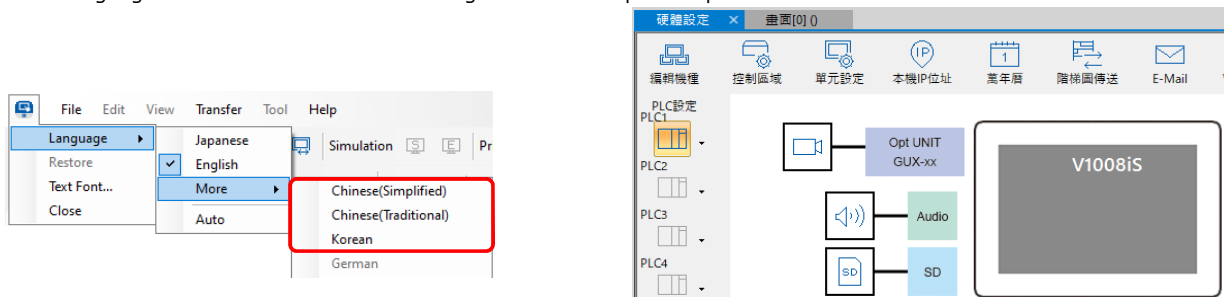

3 Multi-languages supported

<Overview>
Menu display in Chinese (Simplified)/Chinese (Traditional)/Korean is now supported.
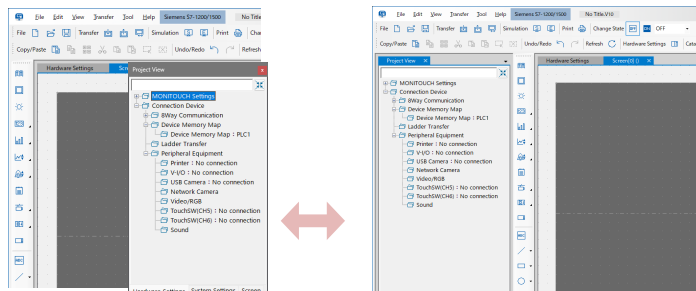These languages can be selected when installing on an OS except for Japanese.

4 Operability improved

■ Project View
In a floating state, the editing window is aligned
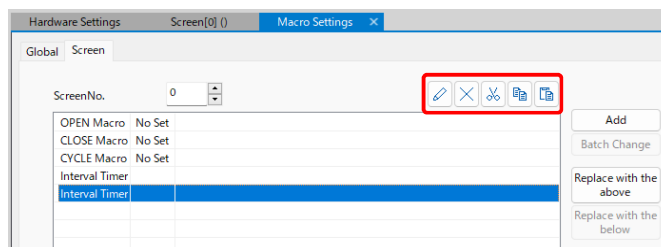with the left side of the screen.
Double-click or drag and drop to put it back
to the original position.

■ Macro Settings
[Cut] [Copy] [Paste] buttons have been added.

Items: Screen
         Overlap Library
         Screen Library

■ Error Check
If a macro includes an error, it can now be detected by Error Check
without opening the macro editor screen.

<Setting location>
Properties in Error Check ->
[Detect error data in macros] checkbox