MONITOUCH

Fe Fuji Electric

April 2025

V-SFT Ver. 6.2.6.0 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>
[System Setting] -> [Unit Setting] -> [General Setting] -> [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>
[System Setting] -> [Hardware Setting] -> [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.

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2 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"

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3 Time server connection supported

Applicable model: V10/V9　　　　　　　*** OS updating is necessary.**
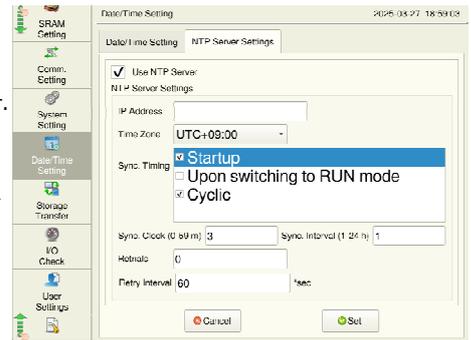

<Overview>
Time server connection is now supported. Clocks can be synchronized with a time server.

<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: [System Setting] -> [Unit Setting] -> [SRAM/Clock Setting] ->
　　　　　　　[Use SRAM Calender] is selected

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4 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".

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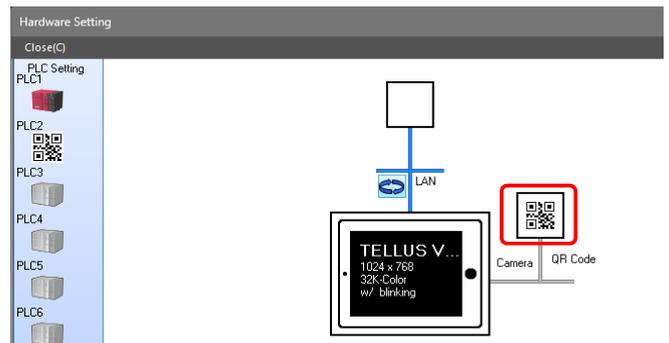
Applicable model: TELLUS4(iPad)

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

<Setting location>
Screen data: [System Setting] -> [Hardware setting] -> set [Camera]

Function

6   Printing function of extended data sheet improved
Applicable model: X1, TELLUS5/TELLUS4
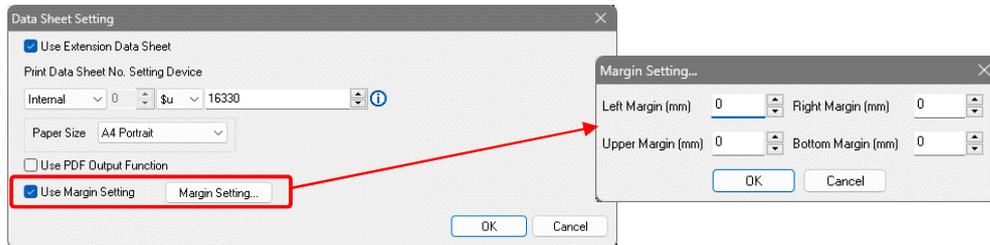
■Clearer text rendering
<Setting location>
Screen data: [System Setting] -> [Unit Setting] -> [General Setting] ->
[Make text rendering for printing extended data sheet PDF clear] checkbox

■Margin adjustment
<Setting location>
Screen data [System Setting]-> [Hardware Setting] -> [Printer Properties] -> [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.
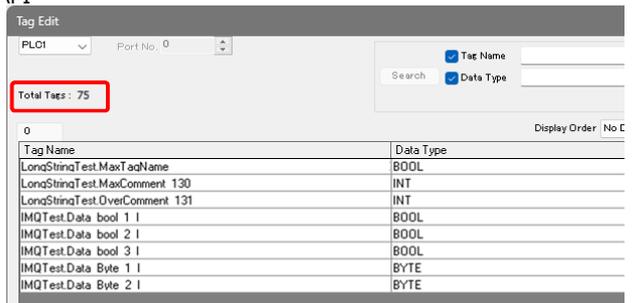
2   Trend: Number of points to display increased
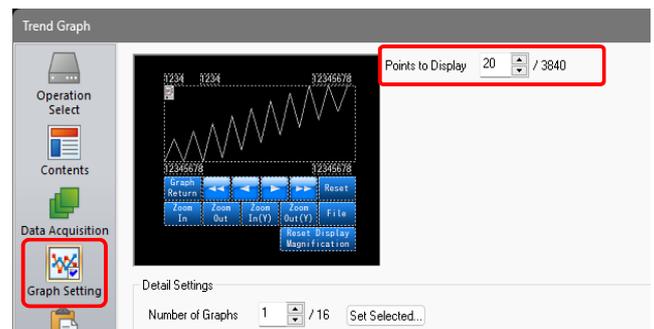Applicable model: TELLUS5

<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 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

3   Error Check: Operability improved
<Overview>
If a macro includes an error, it can now be detected by Error Check
without opening the macro editor screen.

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