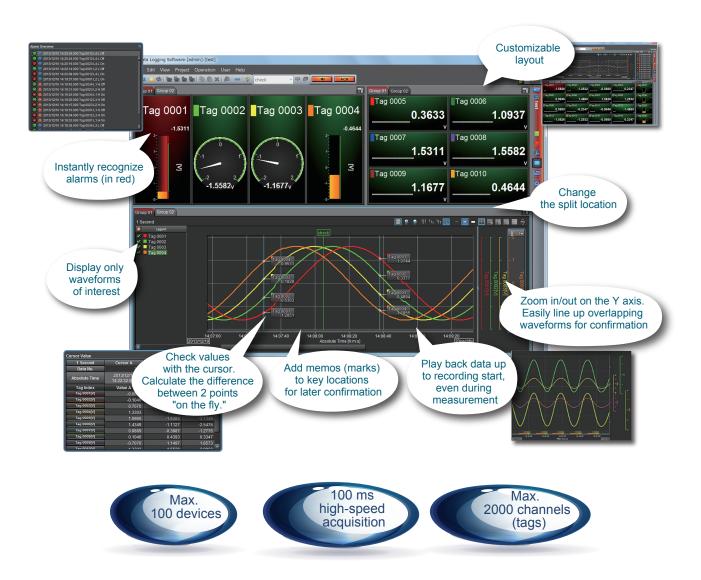


GA10 Data Logging Software Setup Guide



TI 04L65B01-02EN



The contents of this Technical Information are subject to change without notice.



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# GA10 Data Logging Software Setup Guide

#### TI 04L65B01-02EN

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# Introduction

This document describes the setup for GA10 Data Logging Software.

### Notice

- The contents of this manual are subject to change without notice as a result of continuing improvements to the instrument's performance and functions.
- Every effort has been made to ensure accuracy in the preparation of this manual. Should any errors or omissions come to your attention, however, please inform Yokogawa Electric's sales office or sales representative.
- Under no circumstances may the contents of this manual, in part or in whole, be transcribed or copied without our permission.
- The images used in this manual may differ from those that actually appear in the software. Such differences do not affect the procedural explanation.

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### Scope of This Document

This document does not explain the basic operations of the Windows operating system (OS). For this information, read the relevant user's guide or related materials.

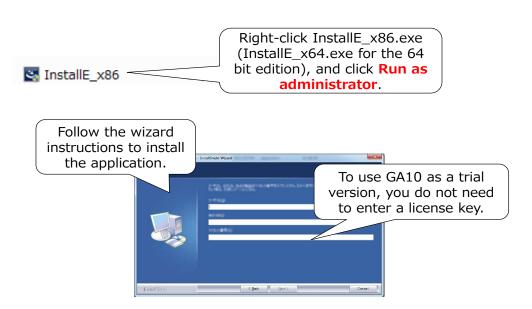
# Basic Operation of GA10 Collecting Data Easily (Simple Settings)

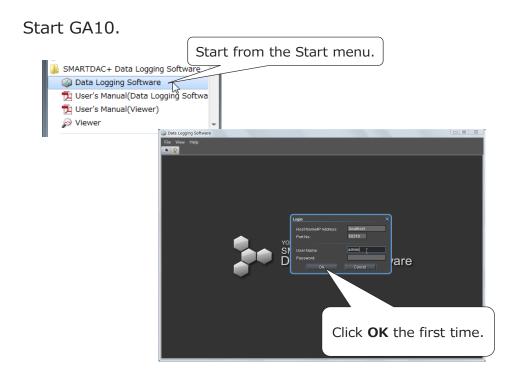
Let's actually connect devices to GA10 and collect data.



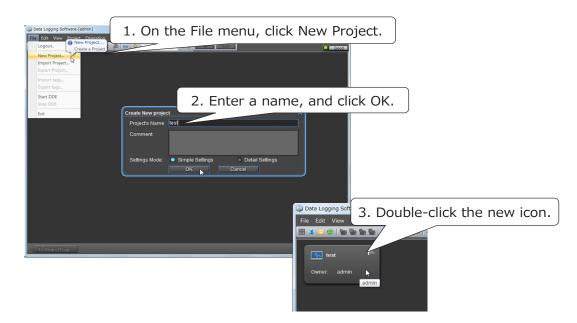
\* To connect the UT, PR, or JUXTA series; other Modbus devices; or the WT series (excluding the WT3000/WT3000E), see Chapter 2.

Download GA10 from the Web site, and install it in your PC.





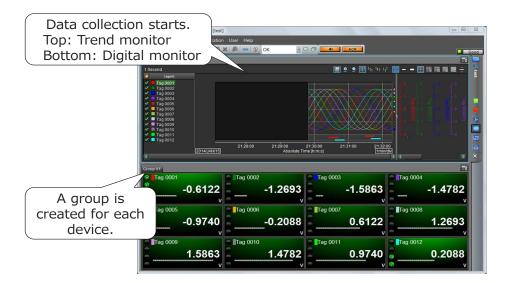
Assign a name to the project.

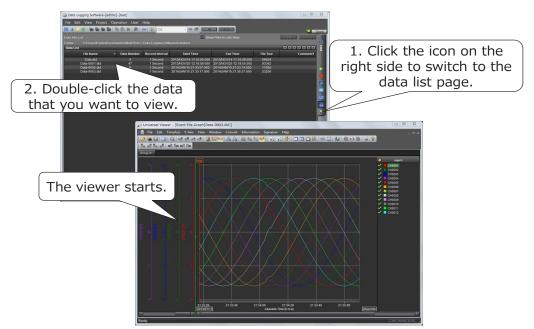


5. Drag the detected GX20 Note: If you cannot 4. Search for search, use the Register and MW100 to register. devices. (Note) Device button. j. • Select the device name. • Enter the IP address or serial settings. If you want to connect the following devices, see the explanation provided later. 6. Start data PR, UPM, or JUXTA series collection and and Modbus devices: Chapter 2 recording. WT series: Chapter 3 M Monitor: Monitoring only -Record: Saves data to file

Simply register devices, and you can start collecting data.

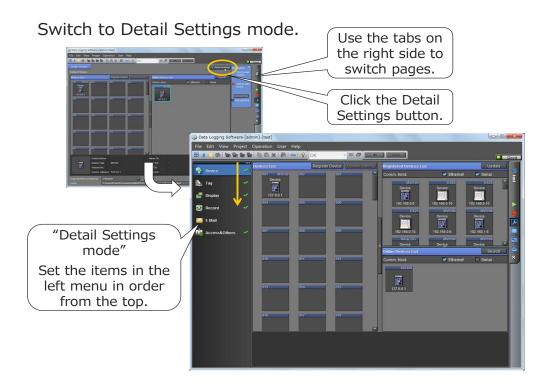
You can start collecting data by simply performing the aforementioned steps.





If you recorded data, you can view the data with the viewer.

# **1.2 Collecting Data with Detailed Settings**

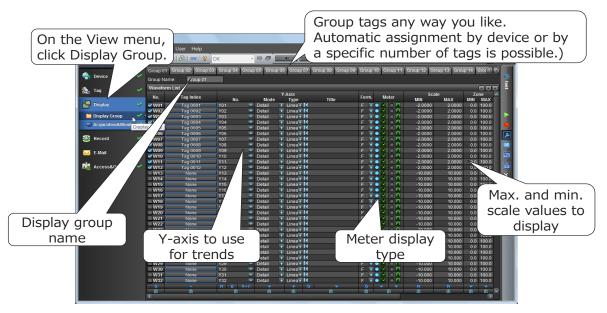


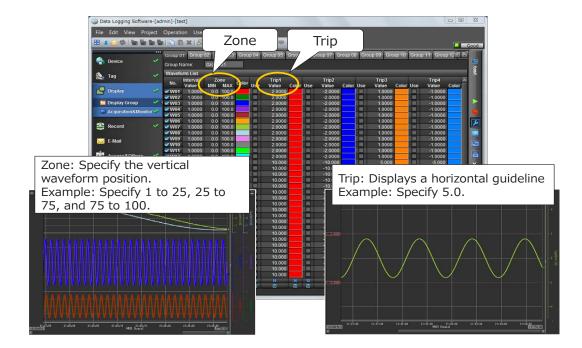
You can change tag numbers and tag comments.

	Data Logging Software- File Edit View Projec	(admin]-(test) t Operation User Help	You can enter tag numbers and tag comments.
Select Tag.	Isg     >       Isg <th>Context         Denice         Context         Topological           00001         00000         00000         100000         100000           00001         00000         00000         100000         100000         100000           00000         00000         00000         1000000         <td< th=""><th>2         TACR01002         LONG         * 4         *           1         TACR01002         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR01005         LONG         * 4         *           1         TACR01005         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR0103         LONG         * 4         *           1         TACR0103         LONG         * 4         *           1         TACR0103         LONG         * 4         *           1         TACR01012         ANY         ANY         *</th></td<></th>	Context         Denice         Context         Topological           00001         00000         00000         100000         100000           00001         00000         00000         100000         100000         100000           00000         00000         00000         1000000 <td< th=""><th>2         TACR01002         LONG         * 4         *           1         TACR01002         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR01005         LONG         * 4         *           1         TACR01005         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR0103         LONG         * 4         *           1         TACR0103         LONG         * 4         *           1         TACR0103         LONG         * 4         *           1         TACR01012         ANY         ANY         *</th></td<>	2         TACR01002         LONG         * 4         *           1         TACR01002         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR01005         LONG         * 4         *           1         TACR01005         LONG         * 4         *           1         TACR01003         LONG         * 4         *           1         TACR0103         LONG         * 4         *           1         TACR0103         LONG         * 4         *           1         TACR0103         LONG         * 4         *           1         TACR01012         ANY         ANY         *
		on and off tag	nd paste selected lines, turn gs collectively, and assign omatically (increment).z

### You can assign tags to different groups as you like.

- You can change how to display the waveforms, such as the waveform color, meter type, Y-axis, and scale.





### Selecting the data time

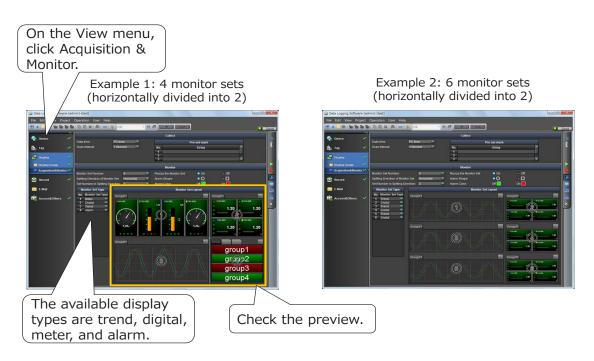
We recommend you use "PC time," which does not divide the screen or files.

- Use "Device time" to back up data or when replacing DAQ32Plus.

<ul> <li>Monitoring applications on a PC</li> <li>If you want data to be consolidated into a single file</li> <li>For replacing DAQLOGGER</li> </ul>							
	Timestamp	Collection and record interval	Backfill*	Monitor page (Trend/Alarm)	Data file		
PC time	Time on the PC	Can be set freely	No	Displayed on a single page	Saved to a single file		
Device time	Time on the device	Uses the interval on the device	Yes	Page divided by device or collection interval	File divided by device or collection interval		
For replacing DAQ32Plus     (using one Darwin unit)			<ul> <li>* Backfill operates under the following conditions.</li> <li>Applicable devices: GX/GP/GM/DX/MV</li> <li>Data is retained in the device's internal memory.</li> <li>The device's FTP function is on.</li> </ul>				

### Changing the monitor screen

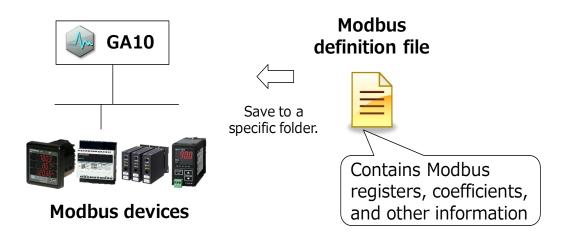
- The monitor page can be divided into up to 16 monitor sets.



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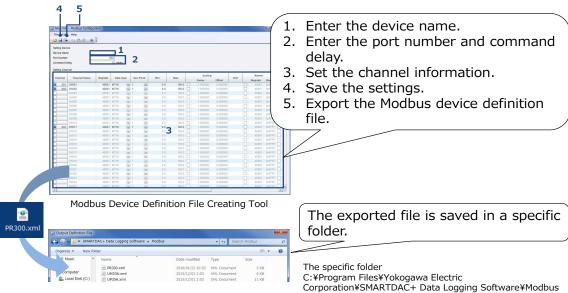
# 2. Connecting Modbus Devices

To connect a UT, PR, or JUXTA series device or other Modbus device, you need to register a "definition file" containing the device information in GA10.

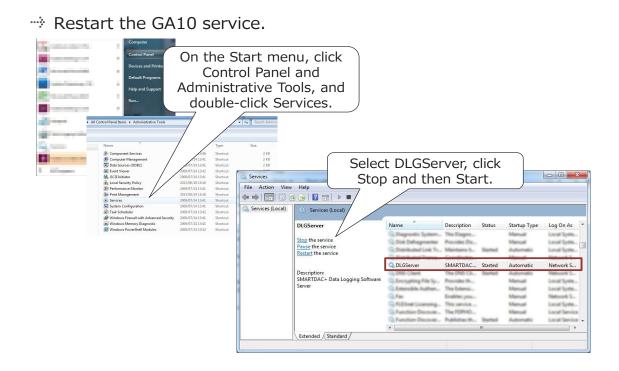


UTAdvanced series devices can be connected without creating definition files.

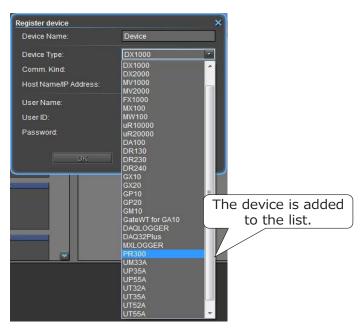
Create a Modbus device definition file, and save it in a specific location.



You can use the dedicated Modbus Device Definition File Creating Tool to create the file.



The defined device can now be registered on the GA10 Setting Page. The subsequent setting procedure is the same as in the normal case.



# 3. Connecting the WT series

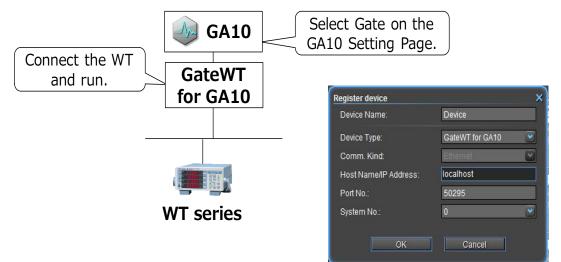
### Download GateWT for GA10, and use it to make the connection.

License: Free

Applicable models: WT210/230/500/1800

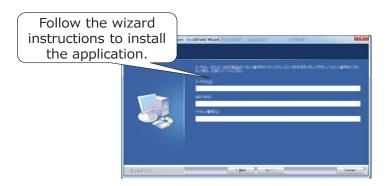
- The WT310/330 can be connected using the WT210/WT230 compatible command mode.
- WT3000/WT3000E can be connected without using GateWT.

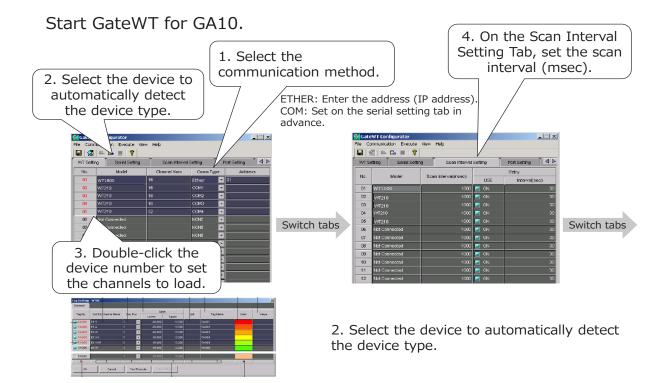
Communication port: Ethernet or serial



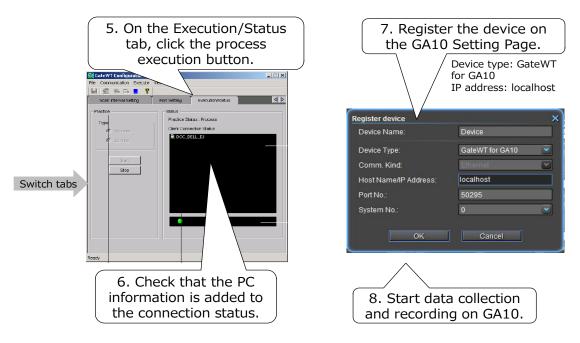
- → Install GateWT for GA10
  - Be sure to read "Readme.txt"
  - Install GateWT for GA10.

Right-click Install.exe, and click Run as administrator.





When you finish the settings, register the device to GA10.



# 4. For DAQWORX Users

If you are using the logger software, you can replace it with GA10.

➡ See 4.1

See 4.2

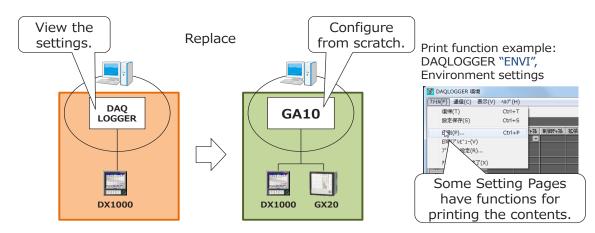
- Applicable products: DAQLOGGER, DAQ32Plus, MXLOGGER

If the following condition applies, use DAQWORX and GA10 together.

Item	Condition			
OS	Windows XP or earlier is in use.			
Device	A legacy model or a model with an older version not supported by GA10 is in use.			
Communication	GP-IB communication is in use.			
Function	The following DAQWORX function is in use. – Event processor (e-mail transmission, FTP transfer, html conversion, etc.) – File utility (file split and merge) – Math channels, AO channels, or DO channels are in use. (Mainly, MXLOGGER)			
Software	The following software application is in use. – AddTrigger – AddObserver – DataBrowser			

# 4.1 Replacing DAQWORX

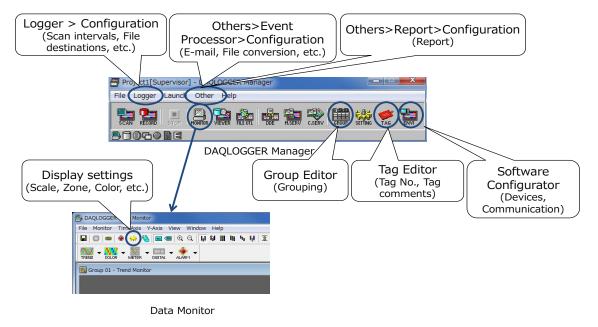
Check the settings of the logger software that you are using, and configure GA10 from scratch.



It is convenient to use the print function to view the settings.

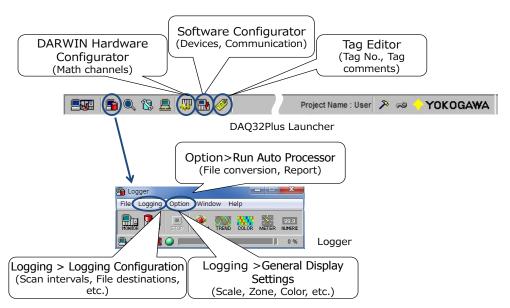
#### DAQLOGGER

You can view the settings in the following locations.



### • DAQ32Plus

You can view the settings in the following locations.



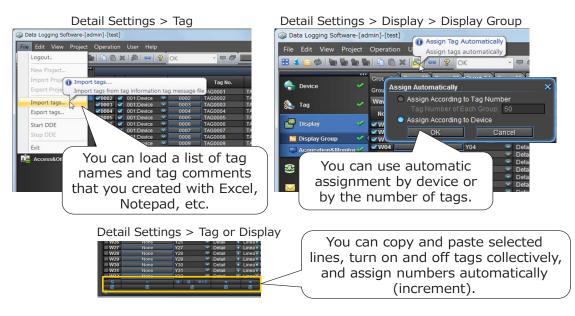
### MXLOGGER

You can view the settings in the following locations.

General Display Settings (Note) (Groups, Scale, Zone, Color, etc.) Event Config. (E-mail)	Acquisition (Measurement intervals, File destinations, etc.) System (Devices, Communication)
File Edit View Acquisition Action Even Window Help	
Main Vop Mon. II Pause Start Rec. Mark 🐨 Relay ACK	Run Channel 👔 System 🖃
vtus Unit Status	
Note: You must start data	55
collection.	Channel (Tag No., Tag comments)

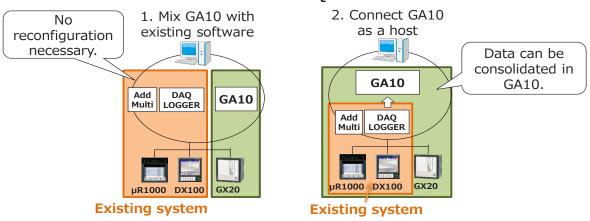
### • GA10

- Configure from scratch.
- You can reduce the burden of configuration by using the GA10 tag import feature, tag auto assignment feature, and the Action bar.



# 4.2 Using DAQWORX with GA10

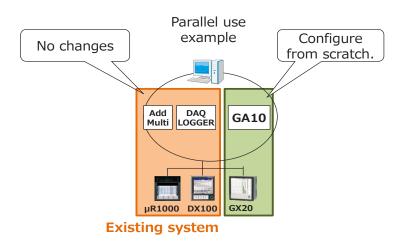
- 1. Parallel use You can use the current configuration and add GA10.
- 2. Host connection By integrating GA10 as a host to DAQWORX, collected data can be consolidated in GA10.



#### Use with DAQWORX

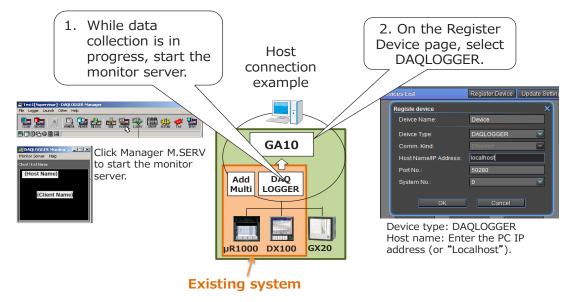
### 1. Parallel use

Install GA10 in the PC that you are using, and configure from scratch.



### ② Connect GA10 as a host

- Data that DAQWORX Data Logger is collecting will be consolidated in GA10.
- Tags that you set in the logger software are automatically reflected in GA10..



# 4.3 Comparative Table of DAQWORX and GA10

					1
		DAQLOGGER	DAQ32Plus	MXLOGGER	GA10
	Connectable devices	Many devices	Darwin	MX100	Many devices
	Number of device connections	32	1	20	100
Basic features	Number of measurement channels	1600ch	300ch	1200ch	2000ch
	Number of math channels	No	60ch	240ch	(TBA)
	Collection (scan) interval	1 s or more	0.5 s or more	10 ms or more	100 ms or more (10 ms or more)*
	Trigger acquisition	Option	Option	Option	Yes
Logging	Collection in groups (multilogging)	Option	Option	Option	Yes
	Auto data conversion	Yes	Yes	Yes	Yes
Data processing (event processor)	e-mail transmission	Yes	Yes	Yes	Yes SMTP authentication support
(	FTP transfer	Yes	Yes	Yes	No
	Simple report output	Yes	Yes	No	No
Monitoring function	Remote monitoring (client)	Option	Option	Option	Option
	Graphic monitoring	Option	Option	Option	No
Device	Device configuration	Yes	Yes	Yes	Standard software
configuration/control	IO/AO module control	No	Yes	No	No
Utility	File merge, split, reconfigure	Yes	Yes	Yes	No
User privilege	User privilege	No	No	No	Yes
Other	DDE server	Yes	Yes	Yes	Yes

 $^{\ast}$  When GA10 is used in PC time mode to collect data and the MX100/MW100 collects data at 10 msec

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# **Revision Information**

Title:GA10 Data Logging Software Setup GuideManual number :TI 04L65B01-02EN

Jan. 20141st EditionNewly publishedFeb. 20162nd EditionPeriodic correctionNov. 20163rd EditionRevised for GA10 R3.01R3.01

Written byYokogawa Electric CorporationPublished byYokogawa Electric Corporation2-9-32 Nakacho, Musashino-shi, Tokyo 180-8750, JAPAN