

File converter for EcoAdviser(GEN64 Ver)

User's Manual

[•] Before operating the instrument, you should first read thoroughly this operation manual for safe operation and optimized performance of the product. Deliver this user's manual to the end user.

Introduction

Thank you for your continued patronage of Mitsubishi Electric's energy saving support application, EcoAdviser. This instruction manual explains how to use the file converter for EcoAdviser (GEN64 Ver.) (hereinafter referred to as "this/the software").

Please read this instruction manual before use, and use the software correctly.

Disclaimer and Precautions

- Please read through the Software License Agreement at the back of this manual when using this software.
- Please note that Mitsubishi Electric is not liable for any damages incurred by you or a third party due to system trouble, legal issues, or malfunctions or defects occurring due to the misuse of this software, or during use.
- When importing a pre-converted file to a PC running this software, follow the instructions provided in the instruction manual for the conversion source product. Please note that Mitsubishi Electric is not liable for any defects that occur when converting a pre-converted file to a PC (including corrupted files, PC or conversion source product malfunction or failure, system trouble when using the conversion source product).
- You may notice differences in the screenshots and operation procedures described in this instruction manual depending on the OS type and version in use.
- This instruction manual uses screenshots from the energy saving analysis and diagnostic application (model: MES3-EAP1-AI) when describing EcoAdviser operation procedures.

Related Documents

Related documents	Document No.
Mitsubishi Electric Energy Saving Support Application EcoAdviser	IB63E57
Energy Saving Analysis Application/Energy Saving Analysis and Diagnostic Application	
Model: MES3-EAP1-DA/MES3-EAP1-AI	
Instruction Manual	

Terms

Unless explicitly stated otherwise, this instruction manual uses the following terms.			
Term	Description		
Conversion source	The unit used for grouping and converting GENESIS64 tags with this software. Registered to EcoAdviser as the collection source.		
Pre-conversion file	A file with measurement data output from GENESIS64 in CSV or TXT format. These files can be converted to data files using the software.		
Data file	The data file converted using the software. These files are collected by EcoAdviser. These files are treated as historical data files in EcoAdviser.		
Data type file	The definition file used to convert the data file. This is also needed when registering the collection source in EcoAdviser. These files are treated as historical data type files in EcoAdviser.		
Тад	Tags include data collected and stored in GENESIS64. This software distinguishes between tags defined in AssetWorX and tags defined in Hyper Historian.		
Hyper Historian	This is an optional feature in GENESIS64. This enables the collection and storing of data in large volumes at high speed.		
AssetWorX	This shows the asset configuration as a hierarchy.		
Data Exporter	This function outputs data stored in Hyper Historian. Only Hyper Historian tags are output.		
History Reader	This function outputs data stored in Hyper Historian. The software can convert Hyper Historian and AssetWorX tag data output using this function.		

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1. Features

This software is a tool used to convert data measured and output in GENESIS64 into a format that can be collected in EcoAdviser.

Converted data can be automatically or manually collected in EcoAdviser to be used in graphs and forms.

Overview of automatic conversion (converting the latest measurement data)

This software converts the latest measurement data output from GENESIS64 into a format that can be collected in EcoAdviser.

Data is output from GENESIS64 and converted using this software automatically. No user input is required.



Overview of manual conversion (converting past measurement data)

This software converts past measurement data output from GENESIS64 into a format that can be collected in EcoAdviser.



2. System Configuration

2.1 Operating environment

The operating environment for this software is described below.			
Item Description			
OS	Microsoft Windows 11 Pro (64 bit)		
	Microsoft Windows 10 Pro (64 bit)		
.NET Framework	Microsoft .NET Framework 4.6.2		

2.2 GENESIS64

The output method for pre-conversion files is as follows.

Pre-conversion file output method		Software availability		Data collection in EcoAdviser	
		Automatic conversion	Manual conversion	Automatic collection	Manual collection
Data Exporter	Hyper Historian tags	•	•	•	•
History Reader	Hyper Historian tags	—	•	—	•
	AssetWorX tags	—	•	—	•

2.3 Automatic collection

The measurement data and chronology of automatic data conversion using this software is as follows.



2.4 Restrictions

This section describes restrictions on GENESIS64.

■ GENESIS64

Item	Restriction	Remarks
License	GENESIS64	An Advanced or Basic license is required.
	Advanced,	For a Basic license, the GENESIS64
	Basic(10.97.2 or later)	version must be 10.97.2 or later.

This section describes restrictions that apply to pre-conversion files.

Data Exporter ltem Restriction Remarks Output data and sorting Data cannot be converted when the data PointName, TimeStamp, Status, Value and the sorting order are different. order order Data type Only the following data types can be Data types that cannot be converted are output without conversion. These data types converted: BOOL, INT, cannot be registered as measurement UINT, DINT, points in EcoAdviser. UDINT, REAL, LREAL Tag name Max. 30 characters Although tag names with 31 characters or more can be converted, they cannot be registered as measurement points in EcoAdviser. Not duplicate In case the names of measuring points are duplicate, it will unable to collect data on EcoAdviser.

History Reader

Item	Restriction	Remarks
Data type	Only the following data types can be converted: BOOL, INT, UINT, DINT, UDINT, REAL, LREAL	Data types that cannot be converted are output without conversion. These data types cannot be registered as measurement points in EcoAdviser.
Tag name	Max. 30 characters	Although tag names with 31 characters or more can be converted, they cannot be registered as measurement points in EcoAdviser.
	Not duplicate	In case the names of measuring points are duplicate, it will unable to collect data on EcoAdviser.

3. Before Use

3.1 Downloading the software

Unpack the downloaded zip file and copy it to a directory on your computer (the C: \Mitsubishi folder, for example) to use it.

Installation is not required.

- ✓ Do not copy it to the programs folder (C: \Program Files folder, or C:\Program Files(x86) folder). Doing so may prevent the software from running properly.
- The software will create the necessary files and folders in the application folder, depending on use. Do not restrict writing and reading privileges for the application folder, and files and folders in the application folder. Doing so will prevent the software from running properly.
- ✓ Do not rename or delete files and folders. Doing so will prevent the software from running properly.
- ✓ If you no longer need this software, delete the entire application folder copied (EapConverterGen folder).

Folder configuration

If you copied the software to the C: \Mitsubishi folder, the folder will be configured as follows.

\rightarrow Application folder
\rightarrow Executable file for the software

The necessary files and folders will be created under the application folder, depending on use. Some of the files and folders created are as follows.

EapConverterGen∖	\rightarrow Application folder
Config∖	
Source.csv	
Collection Source\	\rightarrow Collection source folder (file name is the name registered in the software)
Tag.csv	\rightarrow Tag file
Log\	
Log_yyyy_mm_dd.csv	→ Log file (yyyy-mm-dd format)
Language.set	

3.2 Error messages

If an error message appears while using the software, perform troubleshooting to address the error message while referring to Section 7.2. (The following image is used for illustrative purposes)



4. Basic Operations

4.1 Starting and exiting the software

When starting the software for the first time

Double-click the executable file for the software (EapConverterGen.exe) to start it. When starting the software for the first time, you will be prompted to select a language. Click the [x] button on the Menu screen to close it.

 \checkmark You can change the language setting at any time from the Menu screen.



When starting the software for the second time or later

When starting the software for the second time or later, the Menu screen will appear while skipping the Language screen prompt.

Click the [x] button on the Conversion screen to close it.

4.2 Performing each function

You can perform each function from the Menu screen.



5. Using Hyper Historian Tag Data

This section describes the procedure used to convert GENESIS64 (Hyper Historian tag) data and collect it in EcoAdviser.

5.1 Preparing a pre-conversion file

Output collected data from GENESIS64 in CSV format.

To output data, use Data Exporter.

When outputting multiple pre-conversion files, repeat the procedure described in this section (Section 5.1).

Additionally, change the output destination to avoid mixing up pre-conversion files.

- *1: After being created for the first time, pre-conversion files are created every hour on the hour, and data is output to the file in one-minute cycles.
- *2: The file name and timestamp in the file display the current time converted to UTC format.
 - The time is adjusted to the time setting on the PC when converting with the conversion tool.

1. Start [Workbench by ICONICS].



- * Tags of output measurement data must be located under [Historical Data > Hyper Historian > Data Collections].
- Under [Historical Data > Hyper Historian > Data Exporters], right-click [Storage], and then click [Add Data Storage].

Project Explorer	•				
MyProject (01.00.000.00)					
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Node Setup and Redundancy					
System Administration					
Data Exporters					
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R. Actions					
Platform Services					
MobileHMI					

3. Configure each setting.

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Alarms and Notifications		
🔺 差 Historical Data	ForEcoAdviser001 🛊 🗙	
🔺 戅 Hyper Historian		
Tata Collections	Name: ForEcoAdviser001	
Image Loggers & Groups		
Node Setup and Redundancy	General Settings *	
System Administration	Description:	
Data Exporters		
Storage		
i max		
ForEcoAdviser001		
Datasets	Storage Connection	
Tasks	Connection Type: Local CSV Files •	
MergeWorX	Connection String:	Icon
Bridging		10011
Reports		
Actions		
Platform Services		
MobileHMI	Root Folder:	
Security		
Project Files	Advanced *	
Connected Field Service	Batch Size: 10,000 C	
	Retry Count: 5	
	Retry Delay: I Minute(s)	
	Copy Timeout: 1 Copy Timeout:	
	Apply Refresh Close New. Apply & Close Apply & New	
License Mode: Advanced Tags Count	No node currently selected - 0 items available in the grid - No Task Running - Audit log enabled	

No.	ltem		Setting
(1)	Name		The Storage name.
			Enter any name.
(2)	Storage	Connection	The destination file format.
	Connection	Туре	Select [Local CSV Files].
(3)		Root Folder	The output destination of pre-conversion files.
			Click the icon, and then select any folder.

4. Click the [Apply] button.

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Data Connectivity		
Alarms and Notifications	4	
🔺 差 Historical Data	ForEcoAdviser001	× (
🔺 🛃 Hyper Historian	Full Path: MyProject/Histor	
🕨 😼 Data Collections	Name: ForEcoAdviser0	101
Eliz Loggers & Groups		
Mode Setup and Redundancy	General Settings	•
System Administration	Description:	
 Data Exporters 		
Storage		
i max		
ForEcoAdviser001		1
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Reports		
Actions		
Platform Services		
MobileHMI	Root Folder:	C:\Users\\AMACA1124\Desktop\UntermediateFilesForEcoAdviser\001\
Security		
Project Files	Advanced	
Connected Field Service	Batch Size:	10,000 C
	Retry Count:	5 \$
	Retry Delay:	1 D Minute(s)
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	Copy timeout:	I v Minute(s)
	Apply	lefresh Close New Apply & Close Apply & New
License Mode: Advanced Tags Count		- No node currently selected - 0 items available in the grid - No Task Running - Audit log enabled

5. Under [Historical Data > Hyper Historian > Data Exporters], right-click [Datasets], and then click [Add Dataset Definition].



6. Click the [Dataset definition] tab, and then configure each setting.



No.	Item		Setting
(1)	Name		The Dataset name.
			Enter any name.
(2)	General	Storage data	The output data setting.
	Settings		Select [Aggregated].
(3)	Aggregate	Resampling	The output data start time.
	Options	start	Select one hour before file output starts, on the hour.
			(Example) If file output starts at 10:00, select 9:00.
(4)		Calculation	The data output cycle.
		Period	Select [1 Minute(s)].

7. Click the [Filters] tab, and then set the tags to output. Tags can be selected in two ways.

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Data Connectivity					
Alarms and Notifications					
🔺 🕺 Historical Data	III ForEcoAdviser001 😤	×			×
4 🛃 Hyper Historian	Full Path: MyProject/Historical	Data/Hyper Historian/Data Exporters/Datasets			[DATASET DEFINITION] [YAMACA1124]
Data Collections	Name: ForEcoAdviser001				
Image: Barrier Barr					
Node Setup and Redundancy	Dataset definition Columes	Filters			
System Administration	Tags				
Data Exporters	Data Point Name				÷
Storage	+ Click here to add new it	em			
Datasets					
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- \checkmark Up to 256 tags can be output.
- To output more than 256 tags, split the pre-conversion file when outputting.
- ✓ Output tags are registered as the conversion source by pre-conversion file unit.
- Mind that tag names are not duplicate in Dataset as it would unable to collect data on EcoAdviser. The tag name is set as the converted measurement point name by default. Note that tags of different hierarchies will be converted to the same name.

(1) Selecting one tag at a time Under [Tags], click [+].Click the icon, and then select the tags to output.

HI Fortschakterd01 * X Full Patts: MyProject/fistanical Data/Hyper Histonian/Data Exponence/Datasets Name: FortSchadvise001 Dataset definition Columns Filtes Tage Data series Manage			
+ lick here to add new item			
	H ForEcoAdvise001 * x Full Path: MyRhyseCoEdVision1Date Full Path: MyRhyseCoEdVision2Date Name: PorEcoAdvise001 Dataset definition Columns Filters Tags Data Point Name	a Exporters/Datasets	
	Select tags.	n data sepontari	Variable Type Filter
OOD, Jir conditioner main voltage OOD, Jir conditioner main voltage OOD, Jir conditioner main energy OOD, Lighting main voltage OOD, Lighting main voltage OOD, Lighting main power OOD, Lighting main power OOD, Lighting main power OOD, Lighting main energy OOD, Lighting main energy			,

 Batch selecting tags contained in a hierarchy Under [Filters], click [+].
 Click the icon, and then select the hierarchy.

	ForEcoAdviser001	Ŷ×				×
	Full Path: MyProject/Histo	rical Data/Hyper Historian/Data Exporters/Datasets			[DATASET DEFIT	NITION] [YAMACA1124]
	Name: ForEcoAdviser	001				
₩ ForEcoAdviser001° 🛊 🗙	Dataset definition Colur	nns Filters				
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Data Point Name						
+ Click here to add new item						
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	Filters					
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+ lick here to add new item			Select Variable			
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					OK Cancel H	lelp

8. Click the [Apply] button.

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Alarms and Notifications		
🔺 差 Historical Data	III ForEccAdviser001 🎓 🗙	×
🔺 戅 Hyper Historian	Full Path: MyProject/Historical Data/Hyper Historian/Data Exporters/Datasets [DATASET DEFINITION] [YAMACA1124]
🕨 🧸 Data Collections	Name: ForEcoAdviser001	
Eight Loggers & Groups		
Mode Setup and Redundancy	Dataset definition Columns Filters	
System Administration	Tags	
Data Exporters	Data Point Name	^
Storage	+ Click here to add one item	
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ForEcoAdviser001		
Tasks		
MergeWorX		
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Reports	Hiters	
Actions	Point Name Filter Path Filter Variable Type Filter	
Platform Services	+ Click here to add new item	
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Security		
Project Files		
Connected Field Service		~
	-	
	Apply Refresh Close New Apply & Close Apply & New	?
License Mode: Advanced Tags Count	"Storage" is currently selected - 2 items available in the grid - No Task Running - Audit log enabled	

9. Under [Historical Data > Hyper Historian > Data Exporters], right-click [Tasks], and then click [Add Synchronization Task].





10. Click the [Task Properties] tab, and then configure each setting.

No.	Item		Setting
(1)	Name		The Task name. Enter any name.
(2)	General	Is Enabled	The setting to enable/disable the Task. Select this check box.
(3)	Settings	Synchronization Offset	The synchronization offset from the current time. Select [0 Minute(s)].
(4)	Storage	Storage	The target Storage.
	Trigger		Select the Storage set up in steps 2 to 4 of this procedure.
(5)	Event	Trigger	The time at which data is copied to Storage. Click the icon, and then navigate from [My computer > Actions > Triggers > Date/Time Triggers] to select [Every Minute].
(6)	Data Storage	Enable schedule settings	The setting to enable/disable the schedule. Select this check box.
(7)	Schedule	Time Zone	The time zone. Select [Use local server time].
(8)		Recurrence type	The recurrence setting. Select [Time interval].
(9)		Starting at	The Task start time. Select one hour before file output starts, on the hour. (Example) If file output starts at 10:00, select 9:00.
(10)		Recur every	The Task recurrence cycle. Select [0.1:00:00(D:0 H:1 M:0 S:0)].

11. Click the [Apply] button.

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BACnet Classic		
🕨 🀔 Databases	👔 ForEcoAdviser001 🛊 🗙	×
Mitsubishi Electric FA	Full Path: MyProject/Historical Data/Hyper Historian/Data Exporters/Tasks	[SYNCHRONIZATION TASK] [YAMACA1124]
Modbus	Name: ForEcoAdviser001	
M OPC UA		-
SNMP	General Settings	<u>^</u>
Web Services	S is Enabled	
Alarms and Notifications	Description:	
🔺 差 Historical Data		
🔺 🛃 Hyper Historian		
🕨 🔍 Data Collections		
File Loggers & Groups	Synchronization Offset: 0 C Minute(s)	
Mode Setup and Redundancy		
System Administration	Storage Frigger Event	<u> </u>
🔺 💶 Data Exporters	The storage trigger determines when new data is copied into the storage.	
Storage	Storage: ForEcoAdviser001	- C
Datasets	Triogen: tra:Time Triogens.Every Minute	
III max	199-11 2 2 2 1	
ForEcoAdviser001	Data Storage Schedule	<u>^</u>
Tasks	The data storage schedule determines when a new storage container, such as a file or table, is created.	
🚺 max	☑ Enable schedule settings	
ForEcoAdviser001	Min Register Time Extent: 365 1 (days)	
MergeWorX		
🕨 🛅 Bridging		
Reports	Recurrence type: Time interval	
Rections	Starting at: Monday, December 4, 2023 9:00:00 PM III	
Platform Services	Recur every: D 0 H 1 M 0 S 0 C (dd.hhmmss)	
Image: Second		
► Security	Apply Refresh Close New Apply & Close Apply & New	0
License Mode: Advanced Tags Count	"ForEcoAdviser001" is currently selected - 2 items available in the grid - No Task Running - Audit log enabled	

12. Click the [Datasets] tab, and then configure the target Dataset.(1) Click the [Add] button.(2) In [Dataset ID], select the Dataset set up in steps 5 to 8 of this procedure.

Project Explorer	· Project Details	
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 Data Connectivity 		
BACnet Classic		
🕨 🀔 Datab	(r) ForEcoAdviser001 🔶 🗙	×
Mitsu Tob	Full Path: MyProject/Historical Data/Hyper Historian/Data Exporters/Tasks	
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M OPC L		
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Alarms and Notifications	TTT ExtErnAdvise001 Dataset ID: ForEcoAdviser001 • 📿	
🔺 🕺 Historical Data	Dataset description	
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	Control of the second sec	
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13. Click the [Apply] button.

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Mitsubishi Electric FA	Full Path: MyProject/Historical Data/Hyper Historian/Data Exporters/Tasks	[SYNCHRONIZATION TASK] [YAMACA1124]
Modbus	Name: ForEcoAdviser001	
GPC UA		
SNMP	Task Properties Datasets	
Web Services	Add Remove	
Alarms and Notifications	THE EnvEroAdvisem01 Dataset ID: ForEcoAdviser001 •	
🔺 🐖 Historical Data	Dataset description	
🔺 🛃 Hyper Historian		
🕨 🔍 Data Collections		
Loggers & Groups		
Reduce Setup and Redundancy	•	
System Administration		
Data Exporters	Alians	
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 Security 	Apply Refresh Close New Apply & Close Apply & New	0
License Mode: Advanced Tags Count	"ForEcoAdviser001" is currently selected - 2 items available in the grid - No Task Running - Audit log enabled	

14. Confirm that the pre-conversion file is output one minute later. Pre-conversion files are output to the folder specified in step 3 (3) of this procedure.



5.2 Setting the conversion source

Register the conversion source with the software.

1. Click the [Settings] button.

File converter for EcoAdviser (GEN64 ver.) - C X
Conversion
Automatically convert Data Exporter files
Automatically convert files automatically output from Data Exporter.
Convert Data Exporter files
Manually convert files automatically output from Data Exporter.
Convert History Reader files
Manually convert files output from History Reader.
Settings
🔅 Settings
Configure the conversion settings.
Option
Convert History Reader files (for AssetWorX tags)
Manually convert files output from History Reader. Use this if AssetWorX tags are included. Settiing is not required.
• •

2. Click the [Add] button.

Settings	-	×
< Menu		
Conversion source		
Name Source folder Destination folder Tags		
Add Edit Delete Tag settings		
Automatic conversion		
Conversion time (min) 10 v		
Display the icon in the task tray without showing the screen		
Start automatic conversion at application startup		

3. Configure each setting.

Edit conversion source	×
Name	Max. 30 characters
I Source folder	
drag and drop here	
Select	
Destination folder drag and drop here Select]
OK Cancel	

Item	Setting
Name	Enter the name of the conversion source to manage in the software. Max. character length: 30 characters
	Prohibited characters: Single-byte symbols (\ / : * ? " < >)
Source folder	Select a folder to save the pre-conversion file to. Click [Select], and then select the folder. You can also drag and drop the folder from Explorer to select it.
Destination folder	Select a folder to save the converted data file to. This is data folder path selected when registering the collection source in EcoAdviser. Click [Select], and then select the folder. You can also drag and drop the folder from Explorer to select it.

4. Click the [OK] button.

Name		Max. 30 characters
Conversion source	eA	
Source folder	r	
C:\Mitsubishi\GEN	NESIS_ExportData\DataE>	<u>_</u> in\1
Select		
Destination for	older	
Destination for C:\Mitsubishi\GEN	O lder NESIS_ExportData\DataE>	(_ex∳1
Destination for C:\Mitsubishi\GEN Select	older NESIS_ExportData\DataE>	(_ex (1

5.3 Creating a tag file

10

Display the icon in the task tray without showing the screen Start automatic conversion at application startup

 \sim

Conversion time (min)

This creates a file that records the correspondence between the pre-conversion name (the GENESIS64 tag name) and the post-conversion name (the name of the measurement point registered in EcoAdviser). This is required when converting data files.

1 source					
ame	Source	folder		Destina	tion fold
ource A	C-Mitsubishi/CENEQIC	ExportDataDataEx_in\1	C:\Miteubiebi\		Export
ource B	C:\Mitsubishi\GENESIS_	ExportData\DataEx_in\2	C:\Mitsubishi\	GENESIS	_ExportD
ource C	C:witsubishitGEIVESIS_	exportuata/uataex_in/3	C:WIISUDISHI	GENESIS	_ехропс
ource D (Asset)	C:\Mitsubishi\GENESIS_	ExportData\DataEx_in\4	C:\Mitsubishi\	GENESIS	_ExportE
	n SOURCE ame ource A ource B ource C ource D (Asset)	h source ame Source ource A CiMitsubishi/CENESIS ource B C:Witsubishi/GENESIS ource C C.Witsubishi/GENESIS_ ource D (Asset) C:Witsubishi/GENESIS_	A Source Source folder Source folder CiWitsubishi/GENESIS_ExportData/DataEx_inl3 ource D C:Witsubishi/GENESIS_ExportData/DataEx_inl3 ource D (Asset) C:Witsubishi/GENESIS_ExportData/DataEx_inl4	Source folder Source folder ame Source folder aurce A C:Witsubishi/CENESIS_ExportData/DataEx_in12 C:Witsubishi/ CENESIS_ExportData/DataEx_in12 C:Witsubishi/ CENESIS_ExportData/DataEx_in13 C:Witsubishi/ CENESIS_ExportData/DataEx_in13 C:Witsubishi/ CENESIS_ExportData/DataEx_in14 C:Witsubishi/ CENESIS_ExportData/DataEx_in14	h Source mme Source folder Destina ource A CiWitsubishi/GENESIS_ExportData/DataEx_in/2 CiWitsubishi/GENESIS_ExportData/DataEx_in/2 CiWitsubishi/GENESIS_ExportData/DataEx_in/4 CiWitsubishi/GENESIS_Ex

2. Click the [Tag settings] button > [Create tag file] button, and then select the pre-conversion file.

Settings		-		×	
< Menu				Tag s	ettings X
Conversion source					
Name	Source folder	Desti	nation fold	С	onversion source B
Conversion source A C:\Mitsu	ibishi\GENESIS_ExportData\DataEx_in\1	C:\Mitsubishi\GENES	IS_Export		
Conversion source B C:\Mitsu	ibishi\GENESIS_ExportData\DataEx_in\2	C:\Mitsubishi\GENES	IS_Export		Create tag file
Conversion source C C:\Mitsu	ibishi\GENESIS_ExportData\DataEx_in\3	C:\Mitsubishi\GENES	IS Export	AU	tomatically creates a tag file that defines conversion tags from the
Conversion source D (Asset) C:Witsu	ibishi\GENESIS_ExportData\DataEx_in\4	C:\Mitsubishi\GENES	r t	se	lected Data Exponer CSV life.
					Edit tag file
				Op an	een the tag file with an external tool and edit the name of the converted data d the output order of the data.
					Create data type file
Add Edit Delete	Tag settings			Au Ex	tomatically creates the data type file from the tag file and the selected Data porter CSV file.
					Edit data type file
Automatic conversion				Op	pen the data type file with an external tool and edit the data type.
Conversion time (min) 10	\sim				
Display the icon in the task tray with	out showing the screen				Close
Start automatic conversion at applic	cation startup				
	-				

The tag file will be created automatically. Click the [OK] button to close the message. 3.



4. Click the [Edit tag file] button to open the folder where the tag file is located.

Tag settings	×
Conversion source B	
Create tag file	
Automatically creates a tag file that defines conversion tags from the selected Data Exporter CSV file.	
Edit tag file	
Open the tag file with an external tool and edit the name of the converted data and the output order of the data.	
Create data type file	
Automatically creates the data type file from the tag file and the selected Data Exporter CSV file.	
Edit data type file	
Open the data type file with an external tool and edit the data type.	
Close	

- 5. Open the tag file in a text editor (e.g. Notepad), and edit it as described in the table below.
- ✓ Enter in CSV format. (Enter "," (comma) between columns.)
- ✓ Enter text in single-byte alphanumeric characters. Do not use "," (commas) in column entries.
- ✓ The tag name will be used for the post-conversion name by default.
- ✓ "n" is used to represent the number of measurement data items to be converted. Up to 256 data items can be converted.



		Column 1	Column 2
Row 1	Example	PointName	DataName
	Remarks	Do not change.	
Row 2	Example	Data: Trend1-Pen1	Name1
	Remarks	Do not change.	Enter the name of the converted data for measurement data 1. *1
Row 3	Example	Data: Trend1-Pen2	Name2
	Remarks	Do not change.	Enter the name of the converted data for measurement data 2. *1
			:

Row	Example	Data: Trend1-Pen n	Name n
n+1	Remarks	Do not change.	Enter the name of the converted data for measurement data n. *1

*1: Registered as the name of the measurement point in EcoAdviser. The maximum character length is 30 characters.

If the tag names of GENESIS64 are duplicate, change DataName so it will avoid duplication in measuring point names on EcoAdviser.

5.4 Creating a data type file

Create a data type file using Notepad or another text editor.

1. Select conversion source

www.settings		-		×
< Menu				
Conversion source				
Name Source folder		Destinat	tion fold	er
Conversion source A C://itsubisbi/GENESIS_ExportData/DataEx_in/1	C:\Mitsubishi\(SENESIS	Export)ats
Conversion source B C:\Mitsubishi\GENESIS_ExportData\DataEx_in\2	C:\Mitsubishi\(GENESIS_	_ExportE	Data
Conversion source C C.witisubisingEneoio_ExpondatabataEx_into	G. WILLSUDISTING	JEINEOIO_	_схронц	dic
Conversion source D (Asset) C:\Mitsubishi\GENESIS_ExportData\DataEx_in\4	C:\Mitsubishi\0	GENESIS	_Export	Data
<				>
Add Edit Delete Tag settings				
Automatic conversion				
Conversion time (min) 10 V				
Display the icon in the task tray without showing the screen				
Start automatic conversion at application startup				

2. Click the [Tag settings] button > [Create data type file] button, and then select the pre-conversion file.

Settings -	×
< Menu	Tag settings ×
Conversion source	
Name Source folder Destination fol	Conversion source B
Conversion source A C:\Mitsubishi\GENESIS_ExportData\DataEx_in\1 C:\Mitsubishi\GENESIS_ExportData	
Conversion source B C:\Mitsubishi\GENESIS_ExportData\DataEx_in\2 C:\Mitsubishi\GENESIS_ExportData	Create tag file
Conversion source C C:\Witsubishi\GENESIS_ExportData\DataEx_in\3 C:\Witsubishi\GENESIS_ExportData	Automatically creates a tag file that defines conversion tags from the
Conversion source D (Asset) C:\Mitsubishi\GENESIS_ExportData\DataEx_in\4 C:\Mitsubishi\GENESIS_ExportData	selected Data Exporter CSV file.
Add Edit Delete Tag settings	Edit tag file Open the tag file with an external tool and edit the name of the converted data and the output order of the data. Create data type file Automatically creates the data type file from the tag file and the selected Data Exporter CSV file. Edit data type file
Automatic conversion	Open the data type file with an external tool and edit the data type.
Conversion time (min) 10 v	
Display the icon in the task tray without showing the screen	Close
Start automatic conversion at application startup	

3. A data type file is created.



4. Click the [Edit data type file] button to open the save destination for the data type file.

Tag settings X
Conversion source B
Create tag file
Automatically creates a tag file that defines conversion tags from the selected Data Exporter CSV file.
Edit tag file
Open the tag file with an external tool and edit the name of the converted data and the output order of the data.
Create data type file
Automatically creates the data type file from the tag file and the selected Data Exporter CSV file.
Edit data type file
Open the data type file with an external tool and edit the data type.
Close

- 5. Open the data type file in a text editor (e.g. Notepad), and edit the data type of each measurement point as necessary.
- ✓ Enter text in single-byte alphanumeric characters. Do not use "," (commas) in column entries.
- ✓ [LREAL] will be entered for the data type by default.
- ✓ "n" is used to represent the number of measurement points to be converted. Up to 256 points can be converted.

convoltou.								
🔜 🖓 🔜 🖛 ex			- 🗆	×				
File Home Share View				~ ?				
Pin to Quick Copy Paste Paste sh	ath hortcut Move Copy to v to v De	e New Open	Select all Select none Invert selection Select					
← → × ↑ • FapConverter	Gen > ex v Ö	Q Search ex						
🖈 Quick access	LOG_DATATYPE.csv	Date modified Type	Size					
3D Objects								
Desktop								
Documents Documents								
Music					•			
Pictures								
Videos								~
Local Disk (C:)	4	EOG_DATATYPE.csv - Notepad						^
Antwork	F	ile Edit Format View Help						
U NEUVUK	[b, T	ECHDA],1.0 ATETIME[YYYY/MM/DD hh:mm:ss IME,GENESIS-A_Count,GENESIS],LREAL[DEG -A_Enegy	C.0],LREAL[DEC.0]				^
1 item 1 item selected 2.61 KB								\sim
	<							>
					Ln 2, Col 1	100% Windows (CRLF)	UTF-8 with	вом:

		Column 1	Column 2	Column 3	 Column n+1
Row	Example	[ECHDA]	1.0		
1	Remarks	Do not change.			
Row 2	Example	DATETIME [YYYY/MM/DD_hh:mm:ss]	LREAL [DEC.0]	LREAL [DEC.0]	LREAL [DEC.0]
	Remarks	Do not change.	The data type of measurement point 1. Edit this to match the actual data type.	The data type of measurement point 2. Edit this to match the actual data type.	 The data type of measurement point n. Edit this to match the actual data type.
Row	Example	TIME(+09:00)	Name1	Name2	Name n
3	Remarks	Do not change.	Do not edit. *1	Do not edit. *1	Do not edit. *1

*1: The name of each measurement point. This is automatically set to the name entered in the tag file.

5.5 Manual conversion (conversion test)

Perform a manual conversion, and confirm that data is converted properly.

1. Click the [Convert Data Exporter files] button.

File converter for EcoAdviser (GEN64 ver.) — — X
Conversion
Automatically convert Data Exporter files
Automatically convert files automatically output from Data Exporter.
Convert Data Exporter files
Manually convert files automatically output from Data Exporter.
Convert History Reader files
Manually convert files output from History Reader.
Settings
Configure the conversion settings.
Option
Convert History Reader files (for AssetWorX tags)
Manually convert files output from History Reader. Use this if AssetWorX tags are included. Settiing is not required.
• •

2. Select the conversion source, and the period for converting the pre-conversion files, and then click the [Convert] button.

When the conversion is complete, a message will appear. Click the [OK] button to close the message.

Convert Data Exporter files		- 🗆 X	-
< Menu			
Conversion source			
Name	Source folder	Destination	
Conversion source A	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\1	C:\Mitsubishi\GENESIS_Exp	
L Conversion source B	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\2	C:\Mitsubishi\GENESIS_Exp	
Conversion source C	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\3	C:\Mitsubishi\GENESIS_Exp	
Conversion source D (Asset)	C:Witsubishi\GENESIS_ExportData\DataEx_in\4	C:\Mitsubishi\GENESIS_Exp	
< .		>	File converter for EcoAdviser (GEN64 ver.) X
Period ● All ○ Range 5/ 8/2024	▼ [−] 5/ 8/2024 ▼		The conversion is completed.
Convert			ОК

Open the output file, and confirm that it has been converted properly.
 If data to be converted is added, or if measurement points are misnamed, or if there are other conversion errors, edit the tag file and the data type file.
 Correctly converted files are required when registering with EcoAdviser.
 When editing a tag file, perform the manual conversion (conversion test) process again.

Registering with EcoAdviser 5.6

This section describes an EcoAdviser operating procedure. Register the collection source and measurement points with EcoAdviser.

1	Salact	[Sottinge]	>	Moosuring	Doint	Sottingel	Ĺ
1.	Select	loemnasi	-	livieasuring	FUIII	Settings	ŀ

		bettings	y].			
🖺 EcoAdviser - Diagnosis					- 0	\times
۲	Improvement result check					
A Diagnosis	ocusing points for energy saving gy-loss during standby/break time	Detailed	Start 10/26/2022 -	Collection	Diagnosis	
		setting		status check	panel	
Graph	Energy saving points		Diagnosis period	Diagnosis source data	Panel management	
(C) Dashboard						
Report						
🥃 Data						
Auto Execute Settings						
,						
Settings						
Measuring Point Settings	1					
Diagnostic settings	-					
System Settings						
System Maintenance						
Version lafe						
version into						

Click [Register Collection Source]. 2.

🚨 EcoA	dviser - Measuring Point Settings						_		\times
۲	Change collection source 📄 Meas	surinç	g point list output	Q	±3				
	Collection source	nge al	II measuring points	Measuring point •	Measuring point group +	List of reference error			
	Collection source					Reference error			
also d	The measuring points will be listed in the right list when you	sele	ct the collection sourc	e of the left lis	t.				
	ID Collect source name	ID) Measuring	point name		Measuring type	Me	asuring po	oint
	MAN Manual input measuring point								
(6)	TIM Product type time period measuring point								
<u> </u>	OPE Calculation measuring point								
	SPC Specific consumption measuring point								
		:							
ste		•							
74									
									_

5 Using Hyper Historian Tag Data

ister Collection source			
Register Col	lection source	Register Measuring point	
1. Set a ID and Name.		3. Set necessary information.	
Collection source ID:	(Range:1-20)	Capture by Edgecross historical data interface.(csv format)	
1			
Collection source Name:	(Maximum 30 letters)	Collection Data folder path:	
A-1	(Maximum 50 fetters)	C:\Data	
		File encoding:	
		UTF-8	*
		File name prefiv:	
2. Set Collection source Type.		LOG	
Collection source Type:			
Edgecross	·	Time format:	
		Integration:	
		Indicated	*
		Data file for measuring point registration:	
		C:\Data\DATATYPE\LOG DATATYPE.csv	
		_	

Item	Settings
Collection source ID	Enter any ID.
Collection source Name	Enter any name.
Collection source Type	Select "Edgecross".
Collection Data folder path	Select the destination folder of the File converter.
File encoding	Select "UTF-8".
File name prefix	Enter "LOG".
Integration	Select "Indicated".
Data file for measuring point registration	Automatically set from [Collection Data folder path] and [File name prefix].

4. The measurement points will appear. Click the [Register] button.

Register Collection source		
Register Collect	ion source	r Measuring point
Time format: YYYY/MM/DD hh:mm:ss		
Before registration	Register measuring point	After registration
ID Column position Data type	ID Column position Data type Nam 1 3 LREAL[DEC.0] CH1 2 4 LREAL[DEC.0] CH1 3 5 LREAL[DEC.0] CH1 4 6 LREAL[DEC.0] CH1 5 7 LREAL[DEC.0] CH1 6 8 REAL[DEC.0] CH2 6 8 Red IDEC 01 CH2 7 EcoAdviser X 8 Register collection source and measuring point. Are you sure? 10 Yes No 12 14 LRE 2.0] 13 15 LRE 2.0] 14 16 LREAL No	ID Column position Data type Nam 1 3 LREAL[DEC.0] CH1 2 4 LREAL[DEC.0] CH1 3 5 LREAL[DEC.0] CH1 4 6 LREAL[DEC.0] CH1 5 7 LREAL[DEC.0] CH2 6 8 LREAL[DEC.0] CH2 7 9 LREAL[DEC.0] CH2 8 10 LREAL[DEC.0] CH2 9 11 LREAL[DEC.0] CH3 10 12 LREAL[DEC.0] CH3 11 13 LREAL[DEC.0] CH3 12 14 LREAL[DEC.0] CH3 13 115 LREAL[DEC.0] CH4 14 16 LREAL[DEC.0] CH4
<>	15 17 LREALIDE CH4 16 18 LREALIDEC. 14 <	15 17 LREAL[DEC.0] CH4 16 18 LREAL[DEC.0] CH4 <

5. This will register measurement points from the collection source.

ŧ		🕀 Change collection source 📄 Mea	asu	ring point lis	st output	± 3			
Regi collection	ister n source	🗙 Delete collection source 🛛 🔍 Cha	ang	e all measu	ring points Measuri point	ng Measuring point group •	List of reference error		
		Collection source					Reference error		
The mea	asuring p	points will be listed in the right list when yo	u s	elect the col	lection source of the le	ft list.			
ID	C	ollect source name		ID	Measuring point nam	e	Measuring type	e M	easuring po
	1 A-	1		1	CH1 A[A]		Analog value		
	MAN M	anual input measuring point		2	CH1 V[V]		Analog value		
	TIM P	roduct type time period measuring point		3	CH1 W[kW]		Analog value		
	OPE C	alculation measuring point		4	CH1 Wh[kWh]		Analog value		
	SPC S	pecific consumption measuring point		5	CH2 A[A]		Analog value		
				6	CH2 V[V]		Analog value		
				7	CH2 W[kW]		Analog value		
				8	CH2 Wh[kWh]		Analog value		
				9	CH3 A[A]		Analog value		
				10	CH3 V[V]		Analog value		
				11	CH3 W[KW]		Analog value		
				12	CH3 Wh[kWh]		Analog value		
			1	13	CH4 A[A]		Analog value		
				14	CH4 V[V]		Analog value		
				15	CH4 W[KW]		Analog value		
				10	CH4 Wn[KWn]		Analog value		

6. The measurement type will be registered as "Analog value". Therefore, change the measurement type of integrated value measurement points to "Pulse".

Select an integrated value measurement point, and then click [Change measuring Point].

🖺 EcoA	Adviser - Measuring Point Settings		- 🗆 ×
۲	Change collection source 📄 Meas	uring point list output 💿 🔄	
	Register Delete collection source U Char collection source	ge all measuring points Measuring Measuring List of point group • reference error	
_	Collection source	Reference error	
	The measuring points will be listed in the right list when you	select the collection sourc 💉 Register Manual input measuring point	Register Specific consumption measuring point
	ID Collect source name	ID Measuring Exception Measuring point	🔅 Change measuring point
	1 A-1	1 CH1 AIAI O Register Product type time period measuring p	oint 🗙 Delete measuring point
\bigcirc	MAN Manual input measuring point	2 CH1 V[V] Mea	suring point
	TIM Product type time period measuring point		
	OPE Calculation measuring point	4 CH1 Wh[kWh] Analog val	ue
	SPC Specific consumption measuring point	5 CH2 A[A] Analog val	ue
		6 CH2 V[V] Analog val	ue
		7 CH2 W[kW] Analog val	ue
		8 CH2 Wh[kWh] Analog val	ue
		9 CH3 A[A] Analog val	ue
		10 CH3 V[V] Analog val	ue
		11 CH3 W[kW] Analog val	ue
		12 CH3 Wh[kWh] Analog val	ue
		13 CH4 A[A] Analog val	ue
- C -		14 CH4 V[V] Analog val	ue
		15 CH4 W[kW] Analog val	ue
		16 CH4 Wh[kWh] Analog val	ue

7. Change the Measuring Type to "Pulse", and then click the [Change] button.



	🌐 Change collection source 📄 Mea	isuring p	ooint lis	t output	±≣				
Register collection source	Delete collection source 🛛 🖳 Cha	inge all	measu	ring points Measuring point •	Measuring point group +	L refere	ist of ence error		
	Collection source					Refer	ence error		
The measuring	points will be listed in the right list when yo	u select	the coll	ection source of the left lis	t.				
ID (Collect source name	ID		Measuring point name			Measuring type	Measuring p	oint
1 /	A-1		1	No1_A			Analog value		
MAN	Manual input measuring point		2	No1_V			Analog value		
TIM	Product type time period measuring point		3	No1_W			Analog value		
OPE (Calculation measuring point		4	No1_Wh			Pulse		
SPC S	Specific consumption measuring point		5	No2_A			Analog value		
			6	No2_V			Analog value		
			7	No2_W			Analog value		
			8	No2_Wh			Pulse		
			9	No3_A			Analog value		
			10	No3_V			Analog value		
			11	No3_W			Analog value		
			12	No3_Wh			Pulse		
		1	13	No4_A			Analog value		
			14	No4_V			Analog value		
			15	No4_W			Analog value		
			16	No4_Wh			Pulse		

8. This will change all integrated value measurement points

Change of all measurement points

If there are a large number of integrated value measurement points, you can make changes to them all at once using the procedure below.

- 1) Click the [Measuring point list output] button to output the measurement point list file.
- 2) Open the measurement point list file, and then change the measurement type from 2 (Analog value) to 1 (Pulse) for integrated value measurement points.
- 3) This will overwrite the measurement point list file.
- 4) Click the [Change all measuring points] button, and then specify the edited measurement point list file.

5.7 Manual collection (Collection test)

This section describes an EcoAdviser operating procedure. Before collecting data automatically, confirm whether data is collected properly in EcoAdviser.

1. Click the [Data] button.

EcoA	dviser - Measuring Point Settings				– 🗆 ×
۲	Change collection source 📄 Measu	uring point lis	t output		
	Register Delete collection source U Chang collection source	ge all measu	ring points Measuring Measuring point • Point group • re	List of ference error	
	Collection source		Re	eference error	
	The measuring points will be listed in the right list when you s	elect the col	ection source of the left list.		
	ID Collect source name	ID	Measuring point name	Measuring type	Measuring point
_	1 A-1	1	CH1 A[A]	Analog value	
\bigcirc	MAN Manual input measuring point	2	CH1 V[V]	Analog value	
<u> </u>	TIM Product type time period measuring point	3	CH1 W[kW]	Analog value	
	OPE Calculation measuring point	4	CH1 Wh[kWh]	Pulse	
	SPC Specific consumption measuring point	5	CH2 A[A]	Analog value	
		6	CH2 V[V]	Analog value	
	1	7	CH2 W[kW]	Analog value	
		8	CH2 Wh[kWh]	Pulse	
	J	9	CH3 A[A]	Analog value	
		10	CH3 V[V]	Analog value	
		11	CH3 W[kW]	Analog value	
		12	CH3 Wh[kWh]	Pulse	
		13	CH4 A[A]	Analog value	
D		14		Analog value	
		15		Analog value	
		10	CH4 WhikWhj	Puise	

2. Select [File selection], select the check box for the collection source, and then click the [File list display] button.

🖺 Eco/	dviser - Data		-		\times
•	Collection Calculation Output Manual input / edit				
	Data				
di i	Select the method to specify the collection file.	Collection source data file			
	O Period designation	File name			
	File selection	LOG_20221101.csv			-
()	0	LOG_20221102.csv			
	Select a Collection source.	LOG_20221103.csv			_
		LOG_20221104.csv			
		LOG_20221105.csv			
 					
	File list display		Data	collection	

3. Se	elect the check box next to the file	s to be collected. Click the [Data collection] but	tton to colle	ect the da
EcoA	dviser - Data		- 🗆	×
) ج	Collection Calculation Output Manual input Data			
alt -	Select the method to specify the collection file.	Collection source data file		
6	Period designation File selection Select a Collection source. Collection source Name	File name Image: Comparison of the temperature Image: Comparison of temperature		
	A-1	DAdviser ×		
\$				
	File list display		Data collectio	n

4. Confirm the data collected in a graph, or by other means.■Display example of a time series chart.



5.8 Automatic conversion

Perform an automatic conversion to automatically collect data in EcoAdviser.

Click the [Automatically convert Data Exporter files] button.

Automatically convert data from each conversion source to display the conversion results (action log) in a window. Minimize the window to display the icon in the task tray. (Automatic conversion is still performed when minimized)

File converter for EcoAdviser (GEN64 ver.)					
Conversion					
Automatically convert Data Exporter files					
Automatically convert files automatically output from D	Data Experior.	Conver	sion results		
Convert Data Exporter files		(action	log)		
Manually convert files automatically output from Data	Exporter.				
	🚾 Automatically convert Data Expor	ter files		—	×
Convert History Reader files	< Menu				
Manually convert files output from History Reader.	13:10 🕑 14:10	Execute last task			
Settings					 -4
Settings	Time Te: 2024/05/08 13:10:34 Conversion so	t Name File name hedule: Start			
Configure the conversion settings.					
	•				
Option					
Convert History Reader files (for AssetWorX ta					
Manually convert files output from History Reader. Use this if AssetWorX tags are included. Settiing is not required.					
①					

To finish automatic conversion, click the [x] button.

To run the most recent automatic conversion process again, click the [Execute last task] button.

If an error message appears in the action log, refer to Section 8.1 to identify the cause and perform troubleshooting.

Automatically con	vert Data Exporter files		_		×	
< Menu						
15:40 🕑 1	6:10 Execute las	t task				
Time	Text	Name	File name			Error example
2024/05/09 15:39:37	Conversion schedule: Start					Liter example
2024/05/09 15:40:03	Conversion: Start					
2024/05/09 15:40:03	File not found.	Conversion source C	20240509T05-00-00_20240509T06-00-00	D.csv		
2024/05/09 15:40:03	Conversion: End					

Helpful settings for automatic conversion

You can opt to enable or disable the following functions from the Settings screen.

- (1) Display the icon in the task tray without showing the screen This displays the icon in the task tray without showing the Automatic conversion screen when clicking the [Automatically convert Data Exporter files] button.
- (2) Start automatic conversion at application startup This starts automatic conversion (displays the Automatic conversion screen) when starting up the software. If the function described in (1) is enabled, the icon will appear in the task tray without showing the screen.

(3) Change the conversion time The automatic conversion time can be set in 10-minute increments from 10 to 50 minutes each hour.

Ettings			-		×	
< Menu						
Conversion source						
Name	Source folder		Destin	ation fol	der	
Conversion source A	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\1	C:\Mitsubish	i\GENESI	G_Export	tData	
Conversion source B	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\2	C:\Mitsubish	i\GENESI	G_Export	tData	
Conversion source C	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\3	C:\Mitsubish	i\GENESI	G_Export	tData	
Conversion source D (Asset)	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\4	C:\Mitsubish	i\GENESI	G_Export	tData	
د					>	
Add Edit	Delete Tag settings		(3) Co	onve	rsior	n time
Automatic conversion Conversion time (min)	10 V		(1) Ta	ısk tr	ay d	isplay
Start automatic conversion	at application startup		(2) Aı	utom	atic	conversion on startup

5.9 Manual conversion of past data

This section describes the procedure used to convert past measurement data collected with GENESIS64 (Hyper Historian tags) and manually collect it in EcoAdviser.

5.9.1 Preparing a pre-conversion file (past data)

Output collected data from GENESIS64 in TXT format. To output data, use the History Reader function.

1. Navigate from [Start Menu > ICONICS Tools > Historian Reader] to start History Reader.

2. Configure each setting.

History Reader	- 🗆 X
Point Name: hh:\Configuration\EcoAdviser\001:0001_Cubicle main cur	rent
✓ Use Local time instead UTC Start Time (Local): Sunday ,21 January 2024 00:00 □	End Time (Local): Monday , 22 January 2024 00:00:00 🔲 💌
Raw data Include Boundary Values	
Aggregates Interpolative	Processing Interval[sec]: [60
C:\Users\YAMACA1124\Desktop\HistoryReaderOutput\0	
Written values:	Start Read Stop Read

No.	Item	Setting
(1)	Point Name	The output tag setting. Click [], and then select the Hyper Historian tags to output.
(2)	Use Local time instead UTC	The time setting for the data. Select this check box.
(3)	Start Time / End Time	The data output period. Click the icon, and then select a period to output data. When doing so, set the Start Time and End Time to a time on the hour (00 minutes 00 seconds).
(4)	Aggregates	The output data setting. Select [Interpolative] or [Average] to output values every 60 seconds. (The recommended setting is [Interpolative].)
(5)	Processing Interval	The data output cycle. Enter [60].
(6)	File Name	The destination file setting. Click [], and then select an output destination. If a file that does not exist is set, a new file will be created.
(7)	Timestamps in 24 hours format	The file timestamp setting. Select this check box.

3. Click [Start Read].

When the following message appears, click the [OK] button.



4. When outputting multiple tags, repeat the procedure described in steps 2 and 3. You can output using the same settings simply by changing [Point Name] and [File Name]. Additionally, when using manual conversion (Section 5.9.2), pre-conversion files are selected for each folder. (Files are converted with the folder recognized as the conversion source) Split the destination folder based on the tags output in Section 5.6. Example: If tags A to N and M to Z are output in two files in Data Exporter,

split the destination folder for tag A to N data and tag M to Z data.

5.9.2 Manual conversion

Perform a manual conversion.

1. Click the [Convert History Reader files] button.

File converter for EcoAdviser (GEN64 ver.) — X
Conversion
Automatically convert Data Exporter files
Automatically convert files automatically output from Data Exporter.
Convert Data Exporter files
Manually convert files automatically output from Data Exporter.
Convert History Reader files
Manually convert files output from History Reader.
Settings
Settings
Configure the conversion settings.
Option
Convert History Reader files (for AssetWorX tags)
Manually convert files output from History Reader. Use this if AssetWorX tags are included. Settiing is not required.
• •

2. Select a conversion source, and then configure each setting.

🚾 Convert History Reader files	— □	×			
< Menu					
Conversion source					
Nomo	Dectination folder	Taga			
Conversion source A	C:\Mitsubishi\GENESIS_ExportData\DataEx_ex\1	2			
Conversion source B	C:\Mitsubishi\GENESIS_ExportData\DataEx_ex\2	2			
Conversion source C	C:\Mitsubishi\GENESIS_ExportData\DataEx_ex\3	2			
Conversion source D (Asset)	C:\Mitsubishi\GENESIS_ExportData\DataEx_ex\4	2			
<		>			
Source folder					
drag and drop here					
Select					
Destination folder C:Witsubishi\GENESIS_Export Select	ata\DataEx_ex\1				
Convert					

Item	Setting
Source folder	Select a folder to save the pre-conversion file to.
	Click [Select], and then select the folder.
	You can also drag and drop the folder from Explorer to select it.
Destination folder	Select a folder to save the converted data file to.
	The destination folder of the conversion source is set by default.
	Click [Select], and then select the folder.
	You can also drag and drop the folder from Explorer to select it.
5 Using Hyper Historian Tag Data

3. Click the [Convert] button

Convert History Reader files		- 🗆	×		
< Menu					
Conversion source					
Name	Destination folder		Tags		
Conversion source A	C:\Mitsubishi\GENESIS_ExportData\	DataEx_ex\1	2		
Conversion source B	C:\Mitsubishi\GENESIS_ExportData\	DataEx_ex\2	2		
Conversion source C	C:\Mitsubishi\GENESIS_ExportData\	DataEx_ex\3	2		
Conversion source D (Asset)	C:\Mitsubishi\GENESIS_ExportData\	DataEx_ex\4	2		
< Source folder C:Witsubishi/GENESIS_Export Select	Data\DataEx_in\1		>	File converter for EcoAdviser (GEN64 ver.)	×
Destination folder C:\Mitsubishi\GENESIS_Export	Data\DataEx_ex\1			The conversion is completed.	
Convert				ОК	

5.9.3 Manual collection

This section describes an EcoAdviser operating procedure.

1. Click the [Data] button.

🖺 EcoA	dviser - Measuring Point Settings						-		×
۲	🕞 🦛 Change collection source 📄 Measu	uring point list output 💿 🗄							
	Register 🔀 Delete collection source 🖳 Chang collection source	je all measu	ring points	Measuring point •	Measuring point group •	List of reference error			
	Collection source					Reference error			
also d	The measuring points will be listed in the right list when you s	elect the col	lection sourc	e of the left list	1				
	ID Collect source name	ID	Measuring	point name		Measuring	ype M	easuring po	pint
	1 A-1	1	No1_A			Analog valu	е		
\bigcirc	MAN Manual input measuring point	2	No1_V			Analog valu	e		
	TIM Product type time period measuring point	3	No1_W			Analog valu	e		
	OPE Calculation measuring point	4	No1_Wh			Pulse			
	SPC Specific consumption measuring point	5	No2_A			Analog valu	e		_
		6	No2_V			Analog valu	e		_
	1	7	No2_W			Analog valu	e		
		8	No2_Wh			Pulse			
		9	No3_A			Analog valu	e		
		10	No3_V			Analog valu	e		
		11	N03_W			Analog valu	e		
		12	No3_Wh			Pulse			
	•	13	N04_A			Analog valu	e		
		14	N04_V			Analog valu	e		
		10	No4_W			Analog valu	e		-
		10	1404_7011			Fuise			

2. Select [File selection], select the check box for the collection source, and then click the [File list display] button.

ECO/	Adviser - Data	—	×
•	Collection Calculation Output Manual input Data		
di i	Select the method to specify the collection file. Colle	ction source data file	
	Period designation Elle selection	File name	
(D)	Select a Collection source.	LOG_00000003.csv LOG_00000003.csv	
	Collection source Name	LOG_0000004.csv LOG_0000005.csv	
9	A1		
æ			
	File list display	Data collection	

3. Se	elect the check box next to the files to be collected. Click the [Data collection] button	to coll	ect the	e data
EcoA	dviser - Data -		\times	
) (Collection Calculation Output Manual input Data			
	Select the method to specify the collection file. Collection source data file			
\bigcirc	Period designation File name File selection I/I LOG_0000001.csv LOG_00000002.csv Select a Collection source. I/I LOG_00000003.csv 			
	Collection source Name Image: Collection source Name Image: A_1 Image: Collection source Name			
≥ ♦	Elin list diminu	ata collactio		
	File list display D	ata collectio	n	

4. Confirm the data collected in a graph, or by other means.■Display example of a time series chart.



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6. Using Past AssetWorX Tag Data

This section describes the procedure used to convert GENESIS64 (AssetWorX tag, Hyper Historian tag) data and collect it in EcoAdviser.

In this procedure, past AssetWorX tag data is manually converted, and current Hyper Historian tag data is automatically converted.

6.1 **Preparing a pre-conversion file (AssetWorX tags)**

To convert data manually, output the collected data from GENESIS64 in TXT format. To output data, use the History Reader function.

1. Navigate from [Start Menu > ICONICS Tools > Historian Reader] to start History Reader.

2. Configure each setting.

History Reader – 🗆	×					
Point Name: hh:\Configuration\EcoAdviser\001:0001_Cubicle main current						
☑ Use Local time instead UTC						
Start Time (Local): End Time (Local):						
Sunday , 21 January 2024 00:00:00						
Raw data Include Boundary Values						
Aggregates Interpolative						
File Name:						
C: \USers \TAMACATIZ4\Desktop\HistoryNeaderOutput\UUT.xt						
✓ Timestamps in 24 hours format						
Written values: Start Read Stop Re	ad					

No.	Item	Setting
(1)	Point Name	The output tag setting.
		Click [], and then select the AssetWorX tags to output.
(2)	Use Local time instead UTC	The time setting for the data. Select this check box.
(3)	Start Time / End Time	The data output period.
		Click the icon, and then select a period to output data.
		When doing so, set the Start Time and End Time to a time on the
		hour (00 minutes 00 seconds).
(4)	Aggregates	The output data setting.
		Select [Interpolative] or [Average] to output values every 60
		seconds.
		(The recommended setting is [Interpolative].)
(5)	Processing Interval	The data output cycle.
		Enter [60].
(6)	File Name	The destination file setting.
		Click [], and then select an output destination.
		If a file that does not exist is set, a new file will be created.
(7)	Timestamps in 24 hours format	The file timestamp setting.
		Select this check box.

3. Click [Start Read].

When the following message appears, click the [OK] button.



4. When outputting multiple tags, repeat the procedure described in steps 2 and 3. You can output using the same settings simply by changing [Point Name] and [File Name]. Additionally, when using manual conversion (Section 6.2), pre-conversion files are selected for each folder. (Files are converted with the folder recognized as the conversion source) Ensure that no more than 256 tags are stored to a single folder.

6.2 Manual conversion

Manually convert the pre-conversion file. A data type file will be created when converting.

1. Click the [Convert History Reader files (for AssetWorX tags)] button.

File converter for EcoAdviser (GEN64 ver.) - ×
Conversion
Automatically convert Data Exporter files
Automatically convert files automatically output from Data Exporter.
Convert Data Exporter files
Manually convert files automatically output from Data Exporter.
Convert History Reader files
Manually convert files output from History Reader.
Settings
Configure the conversion settings.
Option
Convert History Reader files (for AssetWorX tags)
Manually convert files output from History Reader. Use this if AssetWorX tags are included. Settiing is not required.
①

2. Configure each setting.

Convert History Reader files (for AssetWorX tags)	-	×
< Menu		
Source folder		
Select		
Destination folder		
drag and drop here		
Select		
Convert		

Item	Setting
Source folder	Select a folder to save the pre-conversion file to.
	Click [Select], and then select the folder.
	You can also drag and drop the folder from Explorer to select it.
Destination folder	Select a folder to save the data file and data type file to.
	This is data folder path selected when registering the collection source in EcoAdviser.
	Click [Select], and then select the folder.
	You can also drag and drop the folder from Explorer to select it.
	* The converted data type file will be output to the [Destination folder\DATATYPE] folder.

3. Click the [Convert] button.

Convert History Reader files (for AssetWorX tags) — 🗆 🗙	
< Menu	
Source folder	
C:\Mitsubishi\GENESIS_ExportData\DataEx_in\1	File converter for EcoAdviser (GEN64 ver) X
Select	
Destination folder	
C:\Mitsubishi\GENESIS_ExportData\DataEx_ex\1	The conversion is completed.
Select	
Convert	
	OK

6.3 Registering with EcoAdviser

This section describes an EcoAdviser operating procedure. Register the collection source and measurement data with EcoAdviser.

1. Select [Settings] > [Measuring Point Settings].

🖺 EcoAdviser - Diagnosis					- 0	×
۲	Improvement result check					
e Diagnosis	ocusing points for energy saving gy-loss during standby/break time	Detailed setting	Start 10/26/2022 End 11/24/2022	Collection status check	Diagnosis panel	
Graph	Energy saving points		Diagnosis period	Diagnosis source data	Panel management	
• • • • • •						
O Dashboard						
Report						
🤤 Data						
Auto Execute Settings						
Settings						
Measuring Point Settings						
Diagnostic settings	Ţ					
System Settings						
System Maintenance						
Version Info						

2. Click [Register Collection Source].

EcoA	dviser - Measuring Point Settings							- 🗆	\times
)	Register collection source U Change collection source	uring (ge all	point list output measuring points	Measuring point •	Measuring point group +	List of reference error Reference error			
	The measuring points will be listed in the right list when you	select	the collection source	e of the left list	•				
	ID Collect source name	ID	Measuring	point name		Measuring	type	Measuring poi	nt
	MAN Manual input measuring point			·					
(TIM Product type time period measuring point								
\odot	OPE Calculation measuring point								
	SPC Specific consumption measuring point								
		:							
ste		:							
1									

3. Configure each setting, and then click the [Next] button.

egister Collection source			
Register Collection	source	Register Measuring point	
1. Set a ID and Name.		3. Set necessary information.	
Collection source ID:	(Range:1-20)	Capture by Edgecross historical data interface.(csv format)	
1		Collection Data folder path:	
Collection source Name:	(Maximum 30 letters)	C:\Data	Þ
A-1		File encoding:	
		UTF-8	-
		File name prefix:	
2. Set Collection source Type.		LOG	
Edgecross	•	Time format.	
-			
		Integration:	
		C:\Data\DATATYPE\LOG_DATATYPE.csv	P
	Back	Next Register C	ancel

Item	Settings
Collection source ID	Enter any ID.
Collection source Name	Enter any name.
Collection source Type	Select "Edgecross".
Collection Data folder path	Select the destination folder of the File converter.
File encoding	Select "UTF-8".
File name prefix	Enter "LOG".
Integration	Select "Indicated".
Data file for measuring point registration	Automatically set from [Collection Data folder path] and [File name prefix].

4. The measurement points will appear. Click the [Register] button.

Register C	ollection source										\times
	Regist	er Collect	ion s	source		Regis	ster	r Me	asuring point		
Time format: YYYY/M	M/DD hh:mm:ss										
Before reg	istration		F	Register measuring poin	t			After	registration		
ID	Column position	Data type	ī	D Column position	Data type	Nam		ID	Column position	Data type	Nam
				1 3	LREAL[DEC.0]	No1_		1	3	LREAL[DEC.0]	No1
				2 4	LREAL[DEC.0]	No1_		2	4	LREAL[DEC.0]	No1
				3 5	LREAL[DEC.0]	No1_		3	5	LREAL[DEC.0]	No1
				4 6	LREAL[DEC.0]	No1		4	6	LREAL[DEC.0]	No1_
				EcoAdviser		\times		5	7	LREAL[DEC.0]	No2_
								6	8	LREAL[DEC.0]	No2
				Are you sure?	rce and measur	ing point.		7	9	LREAL[DEC.0]	No2_
				, ao jou ouro:		h		8	10	LREAL[DEC.0]	N02
			1	Yes	No			9 10	11		No3
				11 13	DEC 01	No3		11	13	LREALIDEC 01	No3
				12 14	DEC.01	No3		12	14	LREAL[DEC.0]	No3
				13 15	LRL C.0	No4_		13	15	LREAL[DEC.0]	No4
				14 16	LREAL 0	No4_		14	16	LREAL[DEC.0]	No4
				15 17	LREAL[D.	No4_		15	17	LREAL[DEC.0]	N04_
				16 18	LREAL[DE	<u>p4_</u>		16	18	LREAL[DEC.0]	N04_
4	_			c				<			>
		,		Back		Next			Register	Cancel	

5. This will register measurement points from the collection source.

	🕀 Change collection source 📄 Me	asurii	ng point lis	t output	\bigcirc	± 3		×			
Register collection so	X Delete collection source U Cha	ange	all measu	ring points	Measuring point •	Measuring point group •	Lis referer	st of nce error			
	Collection source						Refere	nce error			
The measur	ng points will be listed in the right list when yo	ou sel	ect the coll	lection sourc	e of the left list	L.					
ID	Collect source name		ID	Measuring p	point name			Measuring type	Mea	suring po	bir
•	I A-1		1	No1_A				Analog value			
MAN	1 Manual input measuring point		2	No1_V				Analog value			
TIN	1 Product type time period measuring point		3	No1_W				Analog value			
OPE	Calculation measuring point		4	No1_Wh				Analog value			
SPC	Specific consumption measuring point		5	No2_A				Analog value	_		
			6	No2_V				Analog value			
			7	No2_W				Analog value			
			8	No2_Wh				Analog value	_		
			9	No3_A				Analog value			
			10	N03_V				Analog value			
			11	N03_W				Analog value			
			12	No3_Wh				Analog value			
		1	13	N04_A				Analog value			
			14	N04_V				Analog value			
			15	N04_W				Analog value			
			10	N04_Wh				Analog value			

6. The measurement type will be registered as "Analog value". Therefore, change the measurement type of integrated value measurement points to "Pulse".

Select an integrated value measurement point, and then click [Change measuring Point].

🖺 EcoA	dviser - Measuring Point Settings		- 🗆 ×
۲	Change collection source 📄 Me	suring point list output 💿 🔄	
2	Register 🔀 Delete collection source 🖳 Ch	nge all measuring points Measuring point • Measuring point group • List of reference error	
	Collection source	Reference error	
	The measuring points will be listed in the right list when yo	select the collection sourc 💉 Register Manual input measuring point	🔄 Register Specific consumption measuring point
	ID Collect source name	ID Measuring E Register Calculation measuring point	🔅 Change measuring point
	1 A-1	1 No1_A ORegister Product type time period measuring poi	int 🗙 Delete measuring point
\bigcirc	MAN Manual input measuring point	2 No1_V Measu	uring point
	TIM Product type time period measuring point	3 No1 W Analog value	
	OPE Calculation measuring point	4 No1_Wh Analog value	e
	SPC Specific consumption measuring point	5 N02_A Analog value	e de la constante de la consta
		6 No2_V Analog value	3
		7 No2_W Analog value	3
		8 No2_Wh Analog value	3
		9 No3_A Analog value	3
		10 No3_V Analog value	a
		11 No3_W Analog value	a
· ·		12 No3_Wh Analog value	9
		13 No4_A Analog value	3
-0-		14 No4_V Analog value	9
		15 No4_W Analog value	9
		16 No4_Wh Analog value	<u>a</u>

7. Change the Measuring Type to "Pulse", and then click the [Change] button.



		🛗 Change collection source 📄 Me	asuri	ng point lis	t output	±∃		
col	Register llection sour	Delete collection source 🖳 Character	ange	all measu	ring points Measuring point •	Measuring point group •	List of reference error	
		Collection source					Reference error	
Th	e measurin	g points will be listed in the right list when yo	ou se	lect the coll	ection source of the left list	L		
ID)	Collect source name		ID	Measuring point name		Measuring type	Measuring point .
	1	A-1	-	1	No1_A		Analog value	
	MAN	Manual input measuring point		2	No1_V		Analog value	
	TIM	Product type time period measuring point		3	No1_W		Analog value	
	OPE	Calculation measuring point		4	No1_Wh		Pulse	
	SPC	Specific consumption measuring point		5	No2_A		Analog value	
				6	No2_V		Analog value	
				7	No2_W		Analog value	
				8	No2_Wh		Pulse	
				9	No3_A		Analog value	
				10	No3_V		Analog value	
				11	No3_W		Analog value	
				12	No3_Wh		Pulse	
			1	13	No4_A		Analog value	
				14	No4_V		Analog value	
				15	No4_W		Analog value	
				16	No4_Wh		Pulse	

3. This will change all integrated value measurement points

Change of all measurement points

If there are a large number of integrated value measurement points, you can make changes to them all at once using the procedure below.

- 1) Click the [Measuring point list output] button to output the measurement point list file.
- 2) Open the measurement point list file, and then change the measurement type from 2 (Analog value) to 1 (Pulse) for integrated value measurement points.
- 3) This will overwrite the measurement point list file.
- 4) Click the [Change all measuring points] button, and then specify the edited measurement point list file.

6.4 Manual collection

This section describes an EcoAdviser operating procedure.

1. Click the [Data] button.

🖺 EcoA	dviser - Measuring Point Settings					– 🗆 X
۲	🕞 🦛 Change collection source 📄 Meas	suring point lis	st output 🔊			
	Register Delete collection source 🖳 Char collection source	nge all measu	iring points Measur point	ring Measuring ▼ point group ▼	List of reference error	
	Collection source				Reference error	
	The measuring points will be listed in the right list when you	select the col	lection source of the le	eft list.		
	ID Collect source name	ID	Measuring point nam	1e	Measuring type	Measuring point
	1 A-1	1	No1_A		Analog value	
\bigcirc	MAN Manual input measuring point	2	No1_V		Analog value	
	TIM Product type time period measuring point	3	No1_W		Analog value	
	OPE Calculation measuring point	4	No1_Wh		Pulse	
	SPC Specific consumption measuring point	5	No2_A		Analog value	
		6	No2_V		Analog value	
	1	7	No2_W		Analog value	
		8	No2_Wh		Pulse	
		9	No3_A		Analog value	
		10	No3_V		Analog value	
		11	No3_W		Analog value	
		12	No3_Wh		Pulse	
		13	No4_A		Analog value	
3		14	No4_V		Analog value	
-		15	No4_W		Analog value	
		16	No4_Wh		Pulse	

2. Select [File selection], select the check box for the collection source, and then click the [File list display] button.

ECOA	dviser - Data		_		^
•	Collection Calculation Output Manual input Data				
di i	Select the method to specify the collection file.	Collection source data file			
()	Period designation File selection Select a Collection source. Collection source Name	File name LOG_0000001.csv LOG_00000002.csv LOG_00000003.csv LOG_00000003.csv LOG_00000003.csv LOG_00000005.csv			
	✓ A-1				
	File list display	[Data	collection	

3. S	elect the check box next to the files	s to be collected. Click the [Data collection] button to co	ollect th
🖺 EcoA	Adviser - Data	— C) X
•	Collection Calculation Output Manual input Data		
di i	Select the method to specify the collection file.	Collection source data file	
	Period designation File selection Select a Collection source. Collection source Name A-1	File name ✓ LOG_0000001.csv ✓ LOG_0000002.csv ✓ LOG_0000003.csv ✓ LOG_00000004.csv ✓ LOG_00000005.csv	
	EcoA	Adviser × al collection processing is completed.	
*			
	File list display	Data colle	ection

data.

4. Confirm the data collected in a graph, or by other means.■Display example of a time series chart.



6.5 Preparing a pre-conversion file (Hyper Historian tags)

To convert data automatically, output the collected data from GENESIS64 in CSV format.

To output data, use Data Exporter.

When outputting multiple pre-conversion files, repeat the procedure described in this section (Section 6.5).

Additionally, change the output destination to avoid mixing up pre-conversion files.

* After being created for the first time, pre-conversion files are created every hour on the hour, and data is output to the file in one-minute cycles.

1. Start [Workbench by ICONICS]. 6 Enable Tag(s) 2 Edit on a r Disable Tag(s) 2 Delete Edit 2 Refresh 2 0.08 Cut Copy Paste tab 🖉 Refresh Pan 008 Raw Data Multiply MyProject (01.00.00 T Data Ty Data So P I 0001_Cubicle main ua:DXPSV6L Native True 📇 Assets Favorites K Internet of Things 0002_Cubicle main. Native True ua:DXPSV6\. 🕨 📑 My Co 🚀 AnalytiX 0003_Cubicle main por Native True ua:DXPSV6 Data Con R Ne * Modbus SOPC UA SNMP Web Services Alarms and Notific Historical Data 🖌 🛃 Hyper Histor A 🛐 Data Colle Conditi Conditi EcoAdi 001 0002 Cub 0002_cubicle main vortage 0003_cubicle main power 0004_cubicle main energy 0005_Air conditioner main 1 Measurement data 5 0006_Air conditioner main voltage (Hyper Historian tags) 0007_Air conditioner main power 0008 Air conditioner main 1 0009_Lighting main current 0010_Lighting main voltage 0011_Lighting main power 0012_Lighting main energy 0017 Outlet main current 0018 Outlet main voltag

Tags of output measurement data must be located under [Historical Data > Hyper Historian > Data Collections].

2. Under [Historical Data > Hyper Historian > Data Exporters], right-click [Storage], and then click [Add Data Storage].



3. Configure each setting.

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No.	ltem		Setting
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			Enter any name.
(2)	Storage	Connection	The destination file format.
	Connection	Туре	Select [Local CSV Files].
(3)		Root Folder	The output destination of pre-conversion files.
. /			Click the icon, and then select any folder.

4. Click the [Apply] button.

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🔺 🛃 Hyper Historian	Full Paths: MyProject/Historical Data/Hyper Historian/Data Exponters/Storage [DATA STORAGE] [YAMACA1124]
🕨 🔍 Data Collections	Name: ForEcoAdvise1001
Eggers & Groups	
Mode Setup and Redundancy	General Settings *
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 Data Exporters 	
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i max	
ForEcoAdviser001	
Datasets	Storage Connection
Tasks	Connection Type: Local CSV Files •
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License Mode: Advanced Tags Count	No node currently selected - 0 items available in the grid - No Task Running - Audit log enabled

5. Under [Historical Data > Hyper Historian > Data Exporters], right-click [Datasets], and then click [Add Dataset Definition].



6. Click the [Dataset definition] tab, and then configure each setting.

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ForEcoAdviser001	Storage data: Raw dat @ Aggregated	1
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		/

No.	Item		Setting
(1)	Name		The Dataset name.
			Enter any name.
(2)	General Settings	Storage data	The output data setting. Select [Aggregated].
(3)	Aggregate Options	Resampling start	The output data start time. Select one hour before file output starts, on the hour. (Example) If file output starts at 10:00, select 9:00.
(4)		Calculation Period	The data output cycle. Select [1 Minute(s)].

7. Click the [Filters] tab, and then set the tags to output. Tags can be selected in two ways.

Project Explorer *	Project Details				•
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Data Connectivity					
Alarms and Notifications					
🔺 🕺 Historical Data	III ForEcoAdviser001 🍄 🗙				×
4 🛃 Hyper Historian	Full Path: MyProject/Historical De	ta/Hyper Historian/Data Exporters/Datasets			[DATASET DEFINITION] [YAMACA1124]
Data Collections	Name: ForEcoAdviser001				
Image: Barrier Strangers & Groups					
Mode Setup and Redundancy	Dataset definition Columes F	Iters			
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Data Exporters	Data Point Name				÷
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Datasets	T CHECK THETE CO UND THEW ITEM				
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License Mode: Advanced Tags Count		"Storage" is	currently selected - 2 items available in the g	rid - No Task Running - Audit log enabled	

- \checkmark Up to 256 tags can be output at once.
- To output more than 256 tags, split the pre-conversion file when outputting.
- ✓ Output tags are registered as the conversion source by pre-conversion file unit. Set tags to match the folder sorting used for AssetWorX tags (Refer to 4. in Section 6.1) Example: If tags A to N and M to Z are split by destination folder in History Reader, tags A to N and tags M to Z are output as separate pre-conversion files.
- Mind that tag names are not duplicate in Dataset as it would unable to collect data on EcoAdviser.
 The tag name is set as the converted measurement point name by default.
 Note that tags of different hierarchies will be converted to the same name.

(1) Selecting one tag at a time Under [Tags], click [+]. Click the icon, and then select the tags to output.

HarlschaftwardD1 * A X Kall Path: MyProject/Interviced Data/Nyper Historian/Data Exponency/Datasets Name: ForEcoAdvise001		X [DATASET DEFINITION] [VAMACA1124]		
Dataset definition Columns Filters		-		
+ lick here to add new item				
Filters Point Name Filter Point Name Filter Point Name Filter Clock here to add new item Data Browser	III FortCoAdvaceO1 * * X Full Fash: My/Pojet/Fistorical Data/Hyper Historian/Dat Name FortCoAdvaceO1 Data Point Name Data Point Name A	a Egorher/Detauts		
Sole Unable Sale Unable Sale Unable Sale Coddiner 001 0001 Cubicle main current Otto Cubicle main current O001 Cubicle main current O002 Cubicle main current O002 Cubicle main current O002 Cubicle main current		Path Filter	Variable Type Filter	
 Ø 004, Cubicle main energy Ø 005, Air conditioner main current Ø 005, Air conditioner main voltage Ø 000, Air conditioner main power Ø 000, Ljubing main current Ø 000, Ljubing main current Ø 001, Ljubing main current Ø 001, Ljubing main current Ø 001, Ljubing main energy Ø 001, Ljubing main current Ø 001, Ljubing main energy Ø 001, Zubit main energy Ø 001, Cutter main current Ø 0010, Cutter main jourge Ø 0010, Outlet main power 	Select tags.			

(2) Batch selecting tags contained in a hierarchy Under [Filters], click [+]. Click the icon, and then select the hierarchy.

	ForEcoAdviser001	ê×			×
		rical Data/Hyper Historian/Data Exporters/Datasets			[DATASET DEFINITION] [YAMACA1124]
	Name: ForEcoAdvised	001			
III ForEcoAdviser001 * 🛊 🗙	Dataset definition Colum	nns Filters			
Full Path: MyProject/Historical Data/Hyper Historian/Data Exporters/Datasets	Tags				
Name: ForEcoAdviser001	Data Point Name				÷
Dataset definition Columns Filters	+ Click here to add ne	w item			
Tags	data:EcoAdviser.001	.0001_Cubicle main current			
Data Point Name					
+ Click here to add new item					-
	4				÷
	Filters				
	Point Name Filter		Path Filter	Variable Type	Filter
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Filters			Contra Dana an		
Point Name Filter Path Filter			Select Variable		- L X
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	[L		▶ [] !Assets		
			Conditional Logging	S	elect a folder.
<			 Interview and the second second		
			002		
			Various Data Types Various Filters		
			Various Scan Rates		
			Various Signals		
					<u> </u>
					OK Cancel Help

8. Click the [Apply] button.

Project Explorer *	Project Details
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Alarms and Notifications	
🔺 差 Historical Data	III ForEcoAdviser001 🛊 🗙
🔺 差 Hyper Historian	Full Path: MyProject/Historical Data/hyper Historian/Data Exporters/Datasets [DATASET DEFINITION] [YAMACA112
Data Collections	Name: ForEcoAdviser001
File Loggers & Groups	
Mode Setup and Redundancy	Dataset definition Columns Filters
System Administration	Tags
Data Exporters	Data Point Name
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 Datasets 	Charles to add new Aren
max max	Datascokoviser.io/1.0001_Cupice main current
ForEcoAdviser001	
Tasks	
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Platform Services	+ Click here to add new item
MobileHMI	EcoAdviser/002*
Security	
Project Files	
Connected Field Service	
	Apply Refresh Close New Apply & Close Apply & New
License Mode: Advanced Tags Count	"Storage" is currently selected - 2 items available in the grid - No Task Running - Audit log enabled

9. Under [Historical Data > Hyper Historian > Data Exporters], right-click [Tasks], and then click [Add Synchronization Task].



Froject Explorer ■ MyProject (0100000) ★ Ranotics > Assets > X Internet of Things > Asjett Name max ForEcoAdviser001 T Description 7 Laborers Storage Data Exporters Storage Dataets max FortcoAdviser001 Work Task Properties Datasets ☑ Is Enabled 0 C Minute(s) nization Offset: Synchro Image: Set MargeWork > "Image: Margework > "Bergeons > "Apports > "Apports" > The storage trigger determines when new data is copied into the storage. Storage: Trigger lata Sto The data sto pae schedule d when a new storage container, such as a file or table, is created Enable schedule settings Icon 365 🗘 (davs) Min Register Time Exte Time Zone: Recurrence type: O Use UTC Use local server time Preview Time interval Imme interval Preview Monday, December 4, 2023 9:00:00 PM III D 0 1 1 M 0 \$ 0 \$ (dd.hhamm:s) Starting at: Recur every: Close New... Apply & Close Apply & New... 0 Apply ode: Advanced Tags Co d - No Task Ru

10. Click the [Task Properties] tab, and then configure each setting.

No.	Item		Setting
(1)	Name		The Task name. Enter any name.
(2)	General	Is Enabled	The setting to enable/disable the Task. Select this check box.
(3)	Settings	Synchronization Offset	The synchronization offset from the current time. Select [0 Minute(s)].
(4)	Storage Trigger	Storage	The target Storage. Select the Storage set up in steps 2 to 4 of this procedure.
(5)	Event	Trigger	The time at which data is copied to Storage. Click the icon, and then navigate from [My computer > Actions > Triggers > Date/Time Triggers] to select [Every Minute].
(6)	Data Storage	Enable schedule settings	The setting to enable/disable the schedule. Select this check box.
(7)	Schedule	Time Zone	The time zone. Select [Use local server time].
(8)		Recurrence type	The recurrence setting. Select [Time interval].
(9)		Starting at	The Task start time. Select one hour before file output starts, on the hour. (Example) If file output starts at 10:00, select 9:00.
(10)		Recur every	The Task recurrence cycle. Select [0.1:00:00(D:0 H:1 M:0 S:0)].

11. Click the [Apply] button.

Project Explorer *	Project Details	•
▲ 🔛 MyProject (01.00.000.00)	Name 7 Description 7	^ ^
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Mitsubishi Electric FA	Full Path: MyProject/Historical Data/Hyper Historian/Data Exporters/Tasks	[SYNCHRONIZATION TASK] [YAMACA1124]
Modbus	Name: ForEcoAdviser001	
M OPC UA		-
SNMP	General Settings	<u>^</u>
Web Services	S is Enabled	
Alarms and Notifications	Description:	
🔺 差 Historical Data		
🔺 🛃 Hyper Historian		
🕨 🔍 Data Collections		
File Loggers & Groups	Synchronization Offset: 0 C Minute(s)	
Mode Setup and Redundancy		
System Administration	Storage Frigger Event	<u> </u>
🔺 💶 Data Exporters	The storage trigger determines when new data is copied into the storage.	
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Datasets	Triogen: tra:Time Triogens.Every Minute	
III max	199-11 2 2 2 1	
ForEcoAdviser001	Data Storage Schedule	<u>^</u>
Tasks	The data storage schedule determines when a new storage container, such as a file or table, is created.	
🚺 max	☑ Enable schedule settings	
ForEcoAdviser001	Min Register Time Extent: 365 1 (days)	
MergeWorX		
🕨 🛅 Bridging		
Reports	Recurrence type: Time interval	
Rections	Starting at: Monday, December 4, 2023 9:00:00 PM III	
Platform Services	Recur every: D 0 H 1 M 0 S 0 C (dd.hhmmss)	
Image: Second		
► Security	Apply Refresh Close New Apply & Close Apply & New	0
License Mode: Advanced Tags Count	"ForEcoAdviser001" is currently selected - 2 items available in the grid - No Task Running - Audit log enabled	

12. Click the [Datasets] tab, and then configure the target Dataset.(1) Click the [Add] button.(2) In [Dataset ID], select the Dataset set up in steps 5 to 8 of this procedure.

Project Explorer	· Project Details	
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BACnet Classic		
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SNMP	Task Propertie Datasets	
Web Services	Add Kemove	
Alarms and Notifications	TTT ExtErnAdvise001 Dataset ID: ForEcoAdviser001 • 📿	
🔺 🕺 Historical Data	Dataset description	
4 🛃 Hyper Historian		
Data Collections		
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Node Setup and Redundancy		
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	Control of the second sec	
License Mode: Advanced Tags Count	"ForEcoAdviser001" is currently selected - 2 items available in the grid - No Task Running - Audit log enabled	

13. Click the [Apply] button.

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Minternet of Things	TOFECOARVEETUUT	
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BACnet Classic		P
🕨 🐔 Databases	(i) ForfcoAdviser001 🕆 🛠 🗙	×
Mitsubishi Electric FA	Full Path: MyProject/Historical Data/Hyper Historian/Data Exporters/Tasks	[SYNCHRONIZATION TASK] [YAMACA1124]
Modbus	Name: ForEcoAdviser001	
GPC UA		
SNMP	Task Properties Datasets	
Web Services	Add Remove	
Alarms and Notifications	The ForeForeAdvisement D: ForEcoAdviser001 •	
🔺 💯 Historical Data	Dataset description:	
🔺 🛃 Hyper Historian		
🕨 🔍 Data Collections		
Loggers & Groups		
Reduce Setup and Redundancy	*	
System Administration		
Data Exporters	Alianes	<u>ـ</u>
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Platform Services		
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 Security 	Apply Refresh Close New Apply & Close Apply & New	0
License Mode: Advanced Tags Count	"ForEcoAdviser001" is currently selected - 2 items available in the grid - No Task Running - Audit log enabled	

14. Confirm that the pre-conversion file is output one minute later. Pre-conversion files are output to the folder specified in step 3 (3) of this procedure.



Setting the conversion source 6.6

Register the conversion source with the software.

1 Click the [Settings] button

File converter for EcoAdviser (GEN64 ver.) —	×					
Conversion						
Automatically convert Data Exporter files						
Automatically convert files automatically output from Data Exporter.						
Convert Data Exporter files						
Manually convert files automatically output from Data Exporter.						
Convert History Reader files						
Manually convert files output from History Reader.						
Settings						
Settings						
Configure the conversion settings.						
Option						
Convert History Reader files (for AssetWorX tags)						
Manually convert files output from History Reader. Use this if AssetWorX tags are included. Settiing is not required.						
• •						
2 Click the [Add] button						
				_		~
settings						^
< Menu						
Conversion source						
Name Source folder	ONIT	hishii Ci	Destinat	ion fold	ler	at a F
Conversion source A C.Witsubishi/GENESIS_ExportData/DataEx_in/1	C:Wits	subishi\GE		_Export	iData\D	ataE)
Conversion source C C:\\\\\\\\\\Conversion Source C C:\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	C:Wite	subishi/CE	INESIS	Export	iData\D IData\D	ataE)
	O. with	- abiornio			is and to	atac

Delete

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10

Display the icon in the task tray without showing the screen Start automatic conversion at application startup

Edit

Automatic conversion

Conversion time (min)

Add

Tag settings

3. Configure each setting.

name	Max. 30 characters
Source folder	
drag and drop here	
Select	
Destination folder	
drag and drop here	
Select	

Item	Setting
Name	Enter the name of the conversion source to manage in the software.
	Max. character length: 30 characters
	Prohibited characters: Single-byte symbols ($\langle . : * ? " < > $)
Source folder	Select a folder to save the pre-conversion file to.
	Click [Select], and then select the folder.
	You can also drag and drop the folder from Explorer to select it.
Destination folder	Select a folder to save the converted data file to.
	This is data folder path selected when registering the collection source in EcoAdviser.
	Click [Select], and then select the folder.
	You can also drag and drop the folder from Explorer to select it.

4. Click the [OK] button.

Edit conversion source	×
Name	Max. 30 characters
Conversion source D (Asset)	
Source folder	
C:\Mitsubishi\GENESIS_ExportData\DataEx_in\4	
Select	
Destination folder	
C:\Mitsubishi\GENESIS_ExportData\DataEx_in\4	
Select	
OK	

Creating a tag file 6.7

This creates a file that records the correspondence between the pre-conversion name (the GENESIS64 tag name) and the post-conversion name (the name of the measurement point registered in EcoAdviser). This is required when converting data files.

1. Select convers	sion source					
🚾 Settings				-		×
< Menu						
Conversion source						
Name	Source	folder		Destinat	ion fold	er
Conversion source A	C:\Mitsubishi\GENESIS_	ExportData\DataEx_in\1	C:\Mitsubishi\G	ENESIS	Export	Data
Conversion source B	C:\Mitsubishi\GENESIS_	ExportData\DataEx_in\2	C:\Mitsubishi\G	ENESIS_	Exporti	Data
Conversion source C	C:\Mitsubishi\GENESIS	ExportData\DataEx_in\3	C:\Mitsubishi\G	ENESIS	Export	Data
Conversion source D (Asset)	C:\Mitsubishi\GENESIS_	ExportData\DataEx_in\4	C:\Mitsubishi\G	ENESIS_	Export	Data
Add Edit	Delete	Tag settings				
Automatic conversion						
Conversion time (min)	10 ~					
Display the icon in the tas	Display the icon in the task tray without showing the screen					
Start automatic conversion) at application startup					

2. Click the [Tag settings] button > [Create tag file] button, and then select the pre-conversion file.

E Settings	-		×	
< Menu		[Tag set	tings X
Conversion source			0-	i D
Name Source folder	Des	tination fol	C0	Iversion source B
Conversion source A C:\Mitsubishi\GENESIS_ExportData\D	ataEx_in\1 C:\Mitsubishi\GENE	SIS_Expo		Orresta teo filo
Conversion source B C:\Mitsubishi\GENESIS_ExportData\D	ataEx_in\2 C:\Mitsubishi\GENE	SIS_Expo		Create tag life
Conversion source C C:\Mitsubishi\GENESIS_ExportData\D	ataEx_in\3 C:\Mitsubishi\GENE	SIS Expo	Auto	matically creates a tag file that defines conversion tags from the orded Data Exporter CSV file
Conversion source D (Asset) C:\Mitsubishi\GENESIS_ExportData\D	ataEx_in\4 C:\Mitsubishi\GENE	S' 01	3616	
				Edit tag file
			Ope and	n the tag file with an external tool and edit the name of the converted data the output order of the data.
				Create data type file
<			Auto	matically creates the data type file from the tag file and the selected Data
Add Edit Delete Tag se	ttings		Exp	Sher CSV life.
				Edit data type file
Automatic conversion			Ope	n the data type file with an external tool and edit the data type.
Conversion time (min) 10 ~				
Display the icon in the task tray without showing the screen				Close
Start automatic conversion at application startup				

The tag file will be created automatically. Click the [OK] button to close the message. 3.



4. Click the [Edit tag file] button to open the folder where the tag file is located.

Tag settings	×
Conversion source B	
Create tag file	
Automatically creates a tag file that defines conversion tags from the selected Data Exporter CSV file.	
Edit tag file	
Open the tag me with an external tool and edit the name of the converted data and the output order of the data.	i
Create data type file	
Automatically creates the data type file from the tag file and the selected Data Exporter CSV file.	
Edit data type file	
Open the data type file with an external tool and edit the data type.	
Close	

- Open the tag file in a text editor (e.g. Notepad), and edit it as described below. 5.
- √
- √
- Enter in CSV format. (Enter "," (comma) between columns.) Enter text in single-byte alphanumeric characters. Do not use "," (commas) in column entries. "n" is used to represent the number of measurement data items to be converted. Up to 256 data items can be ✓ converted.

📙 🕑 📙 🖛 1	– 🗆 X
File Home Share View	
Pin to Quick Copy Paste Copy path Paste shortcut Move to Copy to Move to Copy to Clipboard Clipb	V Image: Constraint of the sector of the s
\leftarrow \rightarrow \checkmark \Uparrow Config > 1 \checkmark	ک ایک Search 1
Quick access Quick access Jo Objects	Date modified Type Size
Desktop	
Downloads	
Music	Tag.csv - Notepad - X
E Pictures	
🚪 Videos	File Edit Format View Help
Local Disk (C:)	PointName, DataName
🥏 Network	data'Demo_Data.Count,count data'Demo_Data.Energy,Energy
	< >
	Ln 4, Col 1 100% Windows (CRLF) UTF-8 with BOM

	Column 1	Column 2
Example	PointName	DataName
Remarks	Do not change.	
Example	Data: Trend1-Pen1	Name1
Remarks	Do not change.	Enter the name of the converted measurement point for measurement data 1. Enter the name listed for the data type file output in Section 6.2. *1
Example	Data: Trend1-Pen2	Name2
Remarks	Do not change.	Enter the name of the converted measurement point for measurement data 2. Enter the name listed for the data type file output in Section 6.2. *1
	Example Remarks Example Remarks Example Remarks	Column 1ExamplePointNameRemarksDo not change.ExampleData: Trend1-Pen1RemarksDo not change.ExampleData: Trend1-Pen2RemarksDo not change.

			÷
Row	Example	Data: Trend1-Pen n	Name n
n+1	Remarks	Do not change.	Enter the name of the converted measurement point for measurement data n. Enter the name listed for the data type file output in Section 6.2. *1

*1: The third line in the data type file shows the name of each measurement data entry. This is registered as the name of the measurement point in EcoAdviser. The maximum character length is 30 characters.

If the tag names of GENESIS64 are duplicate, change DataName so it will avoid duplication in measuring point names on EcoAdviser.

6.8 Automatic conversion

Perform an automatic conversion to automatically collect data in EcoAdviser.

Click the [Automatically convert Data Exporter files] button.

Automatically convert data from each collection source to display the conversion results (action log) in a window. Minimize the window to display the icon in the task tray. (Automatic conversion is still performed when minimized)

File converter for EcoAdviser (GEN64 ver.)							
Conversion							
Automatically convert Data Exporter files							
Automatically convert files automatically output from D	vata Export or		Conversion	results)			
Convert Data Exporter files			(
Manually convert files automatically output from Data	Exporter.						
	Automatically convert Data Ex	porter files			-	-	×
Convert History Reader files	< Menu						
Manually convert files output from History Reader.	13:10 🛞 14:10	Execute last task					
Settings				<u></u>			
Settings	Time 2024/05/08 13:10:34 Conversion	Text Name n schedule: Start	e File name				
Configure the conversion settings.	l de la companya de l						
	1						i
Option							
Convert History Reader files (for AssetWorX tag							
Manually convert files output from History Reader. Use this if AssetWorX tags are included. Settiing is not required.							
					_	_	

To finish automatic conversion, click the [x] button.

To run the most recent automatic conversion process again, click the [Execute last task] button.

If an error message appears in the action log, refer to Section 8.1 to identify the cause and perform troubleshooting.

Automatically con	vert Data Exporter files			_	×	
< Menu						
15:40 🕑 1	6:10 Execute las	t task				
Time	Text	Name	File name			Emer en
2024/05/09 15:39:37	Conversion schedule: Start					Error example
2024/05/09 15:40:03	Conversion: Start					
2024/05/09 15:40:03	File not found.	Conversion source C	20240509T05-00-00_20240509	T06-00-00.csv		
2024/05/09 15:40:03	Conversion: End					

Helpful settings for automatic conversion

You can opt to enable or disable the following functions from the Settings screen.

- (1) Display the icon in the task tray without showing the screen
 - This displays the icon in the task tray without showing the Automatic conversion screen when clicking the [Automatically convert Data Exporter files] button.
- (2) Start automatic conversion at application startup

This starts automatic conversion (displays the Automatic conversion screen) when starting up the software. If the function described in (1) is enabled, the icon will appear in the task tray without showing the screen. (3) Change the conversion time

The automatic conversion time can be set in 10-minute increments from 10 to 50 minutes each hour.

1	E Settings			-		×	
	< Menu						
	Conversion source						
	Name	Source folder		Destir	ation fol	der	
	Conversion source A	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\1	C:\Mitsubi	shi\GENESI	S_Expor	tData	
	Conversion source B	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\2	C:\Mitsubi	shi\GENESI	S_Expor	tData	
	Conversion source C	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\3	C:\Mitsubi	shi\GENESI	S_Expor	tData	
	Conversion source D (Asset)	C:\Mitsubishi\GENESIS_ExportData\DataEx_in\4	C:\Mitsubi	shi\GENESI	S_Expor	tData	
	<					>	
	Add Edit	Delete lag settings		(3) C	onve	rsior	n time
	Automatic conversion Conversion time (min)	10 v	_	(1) Ta	ask ti	ay d	lisplay
	Start automatic conversion	at application startup		(2) Ai	utom	atic	conversion on startup

7. Troubleshooting

7.1 Condition and countermeasures

Software	Condition	Cause and countermeasures
GENESIS64	Data Collections does not appear.	The Data Collections is a feature available with a GENESIS64 license that is either Advanced or Basic (version 10.97.2 or later). Please upgrade the GENESIS64 version or change the license to Advanced.
	The Data Exporter does not output pre-conversion files	 The following settings may be incorrect. Storage: Root Folder (page <u>10</u>) Has this been set to a folder that does not exist? Set this to a folder that exists. Datasets: Filters (page <u>12</u>) Have unnecessary tags, or tags that do not exist been set? Only set this to output tags (tags that exist). Tasks: Is Enabled (page <u>15</u>) Has this been unchecked? Select this check box to enable the Task.
		 The following services may have stopped. If any of these services have been stopped, start them again. ICONICSFrameWorXTriggers ICONICSHyperHistorianLogger ICONICSHyperHistorianOPCHADServer
EcoAdviser	There are intermittent skips in the data collected	 The pre-conversion data file may not have been created properly. Create the file again, taking note of the following. For Data Exporter The Recur every setting in the Data Storage Schedule Make sure [0.1:00:00(D:0 H:1 M:0 S:0)] is selected. For Historian Reader Processing Interval setting Make sure [60] is entered.
	The integrated data collected is abnormal been set ind Check the f • The measu [Pulse]. • The Measur indicate be regis source.	 The measurement type of the measurement point may have been set incorrectly when registering with EcoAdviser. Check the following in EcoAdviser, and correct any errors. The measurement type of the measurement point is [Pulse]. The Measuring Type of the collection source is [Indicated]. * Note that changing the integrated value type will affect all measurement points for the collection source. If an indicated value and a difference value exist, the data must be registered with EcoAdviser with a different collection source.
		 The pre-conversion data file may not have been created properly. Create the file again, taking note of the following. For Data Exporter The Recur every setting in the Data Storage Schedule Make sure [0.1:00:00(D:0 H:1 M:0 S:0)] is selected. For Historian Reader Processing Interval setting Make sure [60] is entered.
	Failure in data collection	The names of measuring points of the collection sources may be duplicate. Change tag names of GENESIS64 and/or DataName of the tag files as not to duplicate the measuring point names.

This section describes countermeasures to perform if an error message appears while using the software.					
Screen (operation)	Error message (first sentence)	Countermeasures			
At startup	Failed to create Settings folder	Check whether the application folder has been saved to a folder in which you have write permission. If it has been saved to a folder in which you do not have write permission, change the storage destination.			
	Failed to create conversion source settings file.	Check whether you have written permission for the Config folder. If write access is restricted, change folder permissions to grant write permission.			
Menu screen (When clicking the Settings button)	Failed to read the conversion source settings file.	The Source.csv file in the application folder is currently being accessed by another software application. If this file is open on your system or by another user, please ensure it is closed.			
	Failed to read the tag file.	The tag file (Tag.csv) in the application folder is currently being accessed by another software application. If this file is open on your system or by another user, please ensure it is closed.			
Menu screen (When clicking the Automatically convert Data Exporter files button)	Failed to create a log folder.	Check whether the application folder has been saved to a folder in which you have write permission. If it has been saved to a folder in which you do not have write permission, change the storage destination.			
	Failed to open the log file.	The log file in the application folder is currently being accessed by another software application. If this file is open on your system or by another user, please ensure it is closed.			
Settings screen (When clicking the Add button)	Failed to update conversion source settings file.	The Source.csv file in the application folder is currently being accessed by another software application. If this file is open on your system or by another user, please ensure it is closed.			
	Failed to create conversion source settings folder.	Check whether another folder with the same name as the conversion source you are trying to add exists in the Config folder. If a folder with the same name already exists, either delete the folder, or move it to another folder.			
Settings screen (When clicking the Create tag file button)	Failed to create tag file.	The tag file (Tag.csv) in the application folder is currently being accessed by another software application. If this file is open on your system or by another user, please ensure it is closed.			
Settings screen (When clicking the Edit button)	Failed to rename conversion source settings folder.	A folder or file in the Config folder is currently being accessed by another software application. If any of these folders or files have been open on your system or by another user, please ensure they are closed.			
Settings screen (When clicking the Delete button)	Failed to delete conversion source settings folder.	A folder or file in the Config folder is currently being accessed by another software application. If any of these folders or files have been open on your system or by another user, please ensure they are closed.			

7.2 Error messages and countermeasures

Screen (operation)	Error message (first sentence)	Countermeasures	
Convert Data Exporter files screen	Failed to create a destination folder.	 The destination folder cannot be accessed. Identify the cause and resolve the issue. Possible causes include the following. Unable to access due to a network failure. (If the destination folder is on a network) You have not been granted access or write permissions for the destination folder. 	
	Failed to read the source file.	The pre-conversion file is currently being accessed by another software application. If this file is open on your system or by another user, please ensure it is closed.	
	There are no tags to be converted.	 The Hyper Historian tags recorded in the tag file (Tag.csv) ar different to the Hyper Historian tags in the pre-conversion file (no matching Hyper Historian tags found). Possible causes include the following. There are pre-conversion files of a different conversion source. The pre-conversion file specified when creating the tag file (Hyper Historian tags) and the pre-conversion file saved to the source folder (Hyper Historian tags) are different. The source folder settings are incorrect. 	
	Failed to write to destination file.	The file to be overwritten in the destination folder is currently being accessed by another software application. If this file is open on your system or by another user, please ensure it is closed.	
Convert History Reader files (for AssetWorX tags) screen	This tag is not supported.	 The source folder contains unsupported tag data. Save the correct pre-conversion file to the source folder. Possible causes include the following. The folder specified is wrong. Tags different from the AssetWorX tags were selected when outputting the pre-conversion file. 	
	Failed to create Data type file folder.	 The destination folder cannot be accessed. Identify the cause and resolve the issue. Possible causes include the following. Unable to access due to a network failure. (If the destination folder is on a network) You have not been granted access or write permissions for the destination folder. 	
	Failed to create Data type file.	The data type file to be overwritten in the destination folder is currently being accessed by another software application. If this file is open on your system or by another user, please ensure it is closed.	

8. Appendix

8.1 Types of operation logs

Description	Name	File name	Details/Countermeasures	
Start conversion schedule	(Blank)	(Blank)	Started automatic conversion of Data Exporter files.	
Finish conversion schedule	(Blank)	(Blank)	Finished automatic conversion of Data Exporter files.	
Start conversion	(Blank)	(Blank)	Started conversion process.	
Finish conversion	(Blank)	(Blank)	Finished conversion process.	
Create destination folder error	Conversion source name	(Blank)	 The destination folder cannot be accessed. Identify the cause and resolve the issue. Possible causes include the following. Unable to access due to a network failure. (If the destination folder is on a network) You have not been granted access or write permissions for the destination folder. 	
Source file not found error	Conversion source name	Source file path	 The source folder cannot be accessed. Identify the cause and resolve the issue. Possible causes include the following. Unable to access due to a network failure. (If the source folder is on a network) You have not been granted access or write permissions for the source folder. The source folder does not exist. 	
Source file read error	Conversion source name	Source file path	The pre-conversion file is currently being accessed by another software application. If this file is open on your system or by another user, please ensure it is closed.	
Input data not found error	Conversion source name	Source file path	No data found in pre-conversion file. Output the pre- conversion file with Data Exporter. Confirm that there are no errors in the measurement data collected in GENESIS64, and take the necessary countermeasures.	
Conversion target tag not found error	Conversion source name	Source file path	 The Hyper Historian tags recorded in the tag file (Tag.csv) are different to the Hyper Historian tags in the preconversion file (no matching Hyper Historian tags found). Possible causes include the following. There are pre-conversion files of a different conversion source. The pre-conversion file specified when creating the tag file (Hyper Historian tags) and the pre-conversion file saved to the source folder (Hyper Historian tags) are different. The source folder settings are incorrect. 	
Destination file write error	Conversion source name	Destination file path	The file to be overwritten in the destination folder is currently being accessed by another software application. If this file is open on your system or by another user, please ensure it is closed.	

8.2	FAQ
Q	Can converted data be used with the diagnostic functions in EcoAdviser?
Α	Converted data can be used with diagnostic functions provided that energy measurement points, production volume measurement points, and other data required for diagnosis in EcoAdviser are retrieved.
Q	What if the OS time zone accounts for daylight saving time?
A	The time of the files to be converted will move forward one hour when daylight saving time starts, and move back one hour when daylight saving time ends. In EcoAdviser, data collection skips forward one hour after daylight saving time starts, and data collected one hour before the end of daylight saving time is overwritten.
Q	Can converted data files be used on systems other than EcoAdviser?
Α	Use of converted data on systems other than EcoAdviser is not supported.

8.3 Release notes

Version	Main changes
1.0.0	The first release version.

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-		

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File converter for EcoAdviser(GEN64 Ver)

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