Help For Data Transfer Tool Classic

BCN-P5999-1657-A

SAFETY PRECAUTIONS

Always read the precautions before using this product.
Also read this manual and the relevant manuals mentioned in this manual carefully, and use the product properly while paying full attention to safety.
Note that the precautions in this manual apply only to this product.
The safety precautions are divided into the following levels: warnings and cautions.

⚠ WARNING	**Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.**
⚠ CAUTION	**Indicates that incorrect handling may cause hazardous conditions, resulting in minor or moderate injury or property damage.**

Note that failure to observe ⚠CAUTION may lead to a serious accident depending on the circumstances.
Make sure to observe both warnings and cautions to ensure personal safety.
Ensure that this manual is easily accessible to all users of this product.

[DESIGN PRECAUTIONS]

⚠WARNING

- Before performing the test operation, read this manual carefully to understand the operation procedure.
  Incorrect output or malfunctions may cause an accident.
- To maintain the security (confidentiality, integrity, and availability) of the GOT and the system against unauthorized access, DoS*1 attacks, computer viruses, and other cyberattacks from unreliable networks and devices via network, take appropriate measures such as firewalls, virtual private networks (VPNs), and antivirus solutions.
  Mitsubishi Electric shall have no responsibility or liability for any problems involving GOT trouble and system trouble by unauthorized access, DoS attacks, computer viruses, and other cyberattacks.
  *1 DoS: A denial-of-service (DoS) attack disrupts services by overloading systems or exploiting vulnerabilities, resulting in a denial-of-service (DoS) state.

1 INTRODUCTION

Data Transfer Tool Classic enables writing and reading of projects between a PC with GT Designer3 not installed and the GOT.
The available functions depend on the GOT series as shown below.

GOT series*1	Available function with Data Transfer Tool Classic
GOT1000	Writing project data to the GOT Reading project data from the GOT Reading resource data from the GOT Resource data conversion
GOT900 GOT800	Writing project data to the GOT Reading project data from the GOT

*1 For GOT2000 series, use "Data Transfer Tool".

These operations can be performed on the operation screen or using the command line or interface function. This enables the functions of Data Transfer Tool Classic to be incorporated into user-created applications.

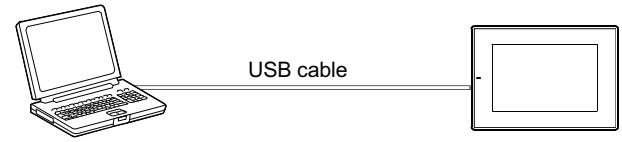
In this manual, "Data Transfer Tool Classic" is hereafter referred to as "Data Transfer Tool".

2 SYSTEM CONFIGURATION

Use the following cables for connecting the GOT with the PC.

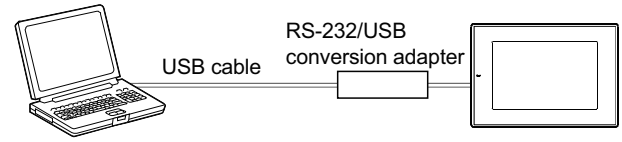
(1) For GOT1000 series

(a) USB cable



Personal computer

GT16, GT15. GT14, GT12, GT11, GT105□, GT104□



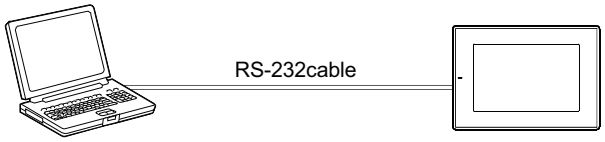
Personal computer

GT1030, GT1020

GOT	Product	Model	Manufacturer
GT16, GT15, GT14, GT12, GT11, GT105□, GT104□	USB cable	GT09-C20USB-5P (A ↔ mini B type)	Mitsubishi Electric System & Service Co., Ltd.
	USB cable	GT09-C30USB-5P (A ↔ mini B type)	Mitsubishi Electric System & Service Co., Ltd.
GT1030, GT1020	USB cable	GT09-C30USB-5P (A ↔ mini B type)*1	Mitsubishi Electric System & Service Co., Ltd.
	RS-232/USB conversion adapter	GT10-RS2TUSB-5S*1	Mitsubishi Electric Corporation

*1 Use GT09-C30USB-5P with GT10-RS2TUSB-5S.

(b) RS-232 cable

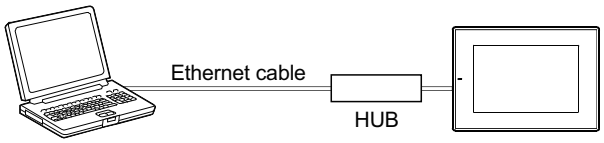


Personal computer

GOT1000 series

GOT	Product	Model	Manufacturer
GT16 (Excluding Handy GOT), GT15, GT14, GT12, GT11 (Excluding Handy GOT), GT105□, GT104□	RS-232 cable	GT01-C30R2-9S (9-pin female ↔ 9-pin female)	Mitsubishi Electric Corporation
Handy GOT, GT1030, GT1020	RS-232 cable	GT01-C30R2-6P (9-pin female ↔ 6-pin male)	Mitsubishi Electric Corporation

(c) Ethernet



Personal computer

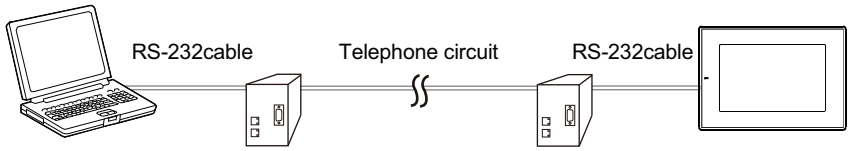
GT16, GT15 + Ethernet communication unit,
GT1455-QTBDE, GT1450-QLBDE, GT12

GOT	Product*1	Model	Manufacturer
GT16*2, GT1455-QTBDE, GT1450-QLBDE, GT12	Shielded twisted pair cable (STP) Unshielded twisted pair cable (UTP) Category 3, 4, and 5	-	-
GT15	Ethernet communication unit	GT15-J7E71-100	Mitsubishi Electric Corporation
	Shielded twisted pair cable (STP) Unshielded twisted pair cable (UTP) Category 3, 4, and 5	-	-

*1 The destination connected with the twisted pair cable varies with the configuration of the applicable Ethernet network system.
Connect to the Ethernet module, hub, transceiver, or other system equipment corresponding to the applicable Ethernet network system.
Use cables, connectors, and hubs that meet the IEEE802.3 10BASE-T/100BASE-TX standard.

*2 When connecting GT16 of the function version A to an equipment that meets the 10BASE (-T/2/5) standard, use the switching hub and operate in a 10 Mbps/100 Mbps mixed environment.
For how to check the function version, refer to the following.
GT16 User's Manual (Hardware)

(d) Modem



Personal computer — Modem — Modem — GOT1000 series

Applicable RS-232 cable differs depending on a modem type.
For applicable modems and RS-232 cables, refer to Technical News GOT-A-0010 "List of Valid Devices Applicable for GOT1000 Series" separately available, or contact your local distributor.

(2) For GOT900 series

(a) For GOT-A900 series

DOS/V PC (9-pin)　　GOT-A900 series (D-sub 9-pin)

GOT	Product*2*3	Model	Manufacturer
GOT-A900 series	RS-232 cable	AC30R2-9SS (9-pin ↔ 9-pin)	Mitsubishi Electric System & Service Co., Ltd.
	RS-232 cable	FX-232CAB-1 (9-pin ↔ 9-pin)	Mitsubishi Electric Corporation
	RS-232 cable	AC30R2-9P (9-pin ↔ 25-pin)*1	Mitsubishi Electric System & Service Co., Ltd.
	RS-232 cable	F2-232CAB-1 (9-pin ↔ 25-pin)*1	Mitsubishi Electric Corporation

*1 A 9-25 pin converter (DIATREND D232J31 (Recommended Product)) is required.

*2 To use a USB port with a personal computer, a USB serial adapter is required.
For Windows Vista, use the following USB serial adapter.

Product	Model	Manufacturer
USB serial adapter	URS-04	PLANEX COMMUNICATIONS INC.

For Windows XP, the above USB serial adapter and the USB serial adapter shown in “List of Valid Devices Applicable for GOT900 Series (T10-0028)”are available.
Contact your local distributor if necessary.

*3 The user can make a RS-232 cable.
For making RS-232 cables, refer to the following manual.

☞ GT Designer2 Version□ Operating Manual

(b) For GOT-F900 series

DOS/V PC (9-pin)

F940WGOT, F940GOT, F930GOT, F930GOT-K, F920GOT-K, ET-940, F940 Handy GOT (Including RH type) (D-sub 9-pin)

F920 Handy GOT RH type (Mini-DIN 6-pin)

GOT	Product*1	Model	Manufacturer
F940WGOT, F940GOT, F930GOT, F930GOT-K, F920GOT-K, ET-940, F940 Handy GOT (Including RH type)	RS-232 cable	FX-232CAB-1 (9-pin ↔ 9-pin)	Mitsubishi Electric Corporation
F920 Handy GOT RH type	RS-232 cable	QC30R2	Mitsubishi Electric Corporation

*1 The user can make a RS-232 cable.
For making RS-232 cables, refer to the following manual.

☞ GT Designer2 Version□ Operating Manual

(3) For GOT800 series

DOS/V PC (9-pin)

A870GOT, A810GOT (D-sub 25-pin)
A85□GOT (D-sub 9-pin)

GOT	Product*2	Model	Manufacturer
A870GOT, A810GOT	RS-232 cable	AC30R2-9P (9-pin ↔ 25-pin) *1	Mitsubishi Electric System & Service Co., Ltd.
		F2-232CAB-1 (9-pin ↔ 25-pin) *1	Mitsubishi Electric Corporation
A85□GOT	RS-232 cable	AC30R2-9SS (9-pin ↔ 9-pin)	Mitsubishi Electric System & Service Co., Ltd.

*1 For A85□GOT, a 9-25-pin converter (DIATREND D232J31 (Recommended Product)) is required.
When using an A8GOT-50SET option unit installation fitting, a 9-pin→25-pin conversion connector cannot be used for the A85□GOT.

*2 The user can make a RS-232 cable.
For cables other than the cables above and making RS-232 cables, refer to the following manual.

☞ SW3NIW-A8GOTP Graphic Settings Software Package Operating Manual (Data Transmission/Debugging/ Document Creation Manual)

3 OPERATING ENVIRONMENT

Item	Description
Model	Personal computer that Windows runs on.
OS (English, Simplified Chinese, Traditional Chinese, Korean, German, or Italian version)*1*2*5	• Microsoft Windows 11 Education (64 bit)*4*6*7*8 • Microsoft Windows 11 Enterprise (64 bit)*4*6*7*8 • Microsoft Windows 11 Pro (64 bit)*4*6*7*8 • Microsoft Windows 11 Home (64 bit)*4*6*7*8 • Microsoft Windows 10 Enterprise (32 bit, 64 bit)*4*6*7 • Microsoft Windows 10 Pro (32 bit, 64 bit)*4*6*7 • Microsoft Windows 10 Home (32 bit, 64 bit)*4*6*7 • Microsoft Windows 10 IoT Enterprise 2016 LTSB (64 bit) (English OPK, or English OPK and a language pack for running GT Designer3)*4*6*7
CPU *9	• Windows 11: 64 bit-compatible processor with dual-core or more or System on a Chip (SoC) • Windows 10: Intel Core 2 Duo Processor 2.0 GHz or more recommended
Memory	• For Windows 11: 4 GB or more recommended • For 64-bit Windows 10: 2 GB or more recommended • For 32-bit Windows 10: 1 GB or more recommended
Display	Resolution XGA (1024 × 768 dots) or more
Hard disk space	For installation: 750 MB or more
Display color	High Color (65536 colors) or more
Others	The mouse, keyboard, printer, or DVD drive

*1 Administrator authority is required for installing and using the data transfer tool.

*2 The following functions are not supported.
- Activating the application with Windows compatibility mode
- Fast user switching
- Change your desktop themes (fonts)
- Remote desktop
- Setting the size other than [Smaller - 100%] for the characters and images on the screen

*3 Operation is not supported in an environment with the text cursor indicator turned on.

*4 The touch feature is not supported.

*5 A virtual environment such as Hyper-V is not supported.

*6 Tablet mode is not supported.

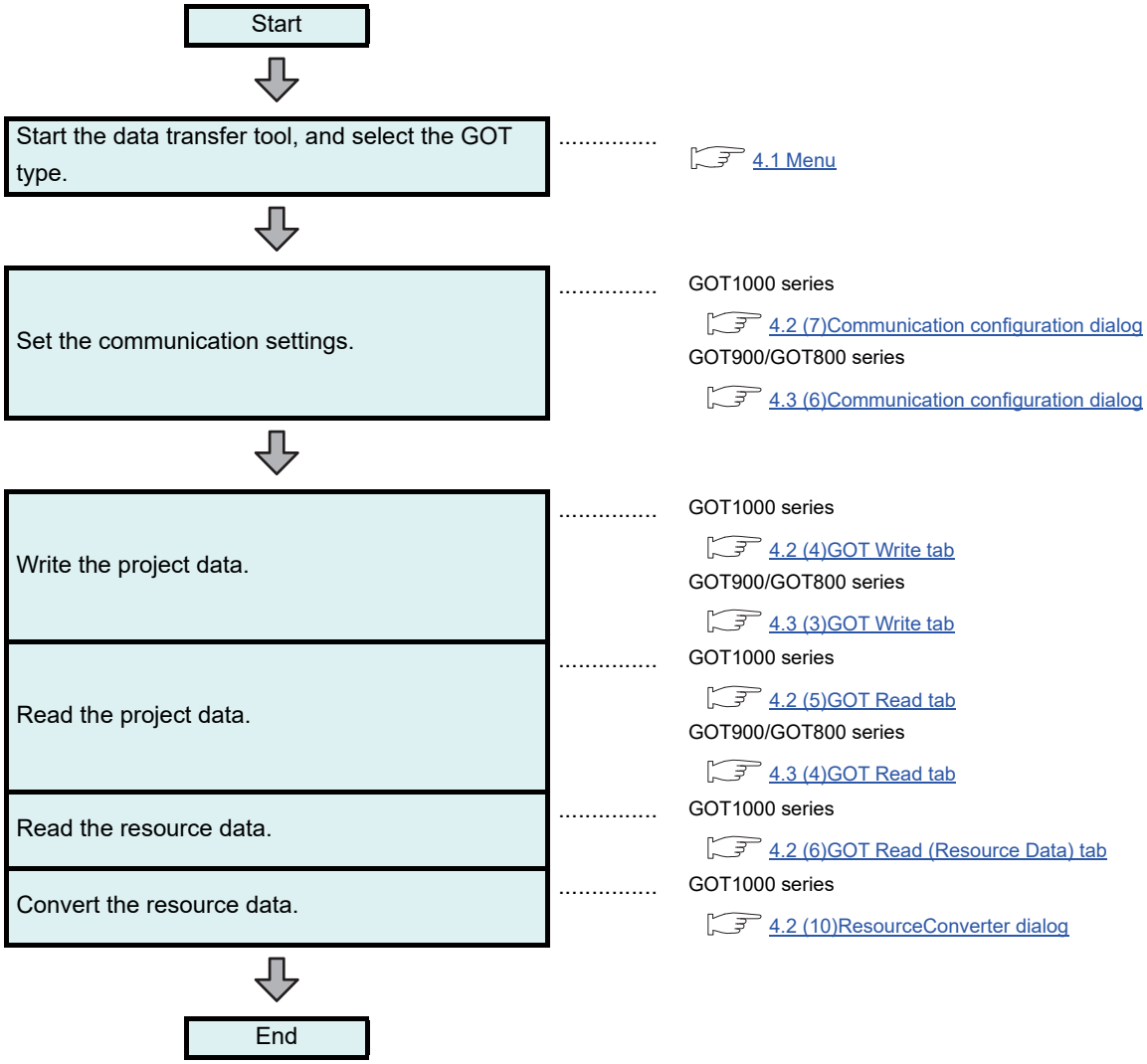
*7 Unified Write Filter is not supported.

*8 Communication with GT1020 or GT1030 is not supported.

*9 ARM64 and ARM32 are not supported.

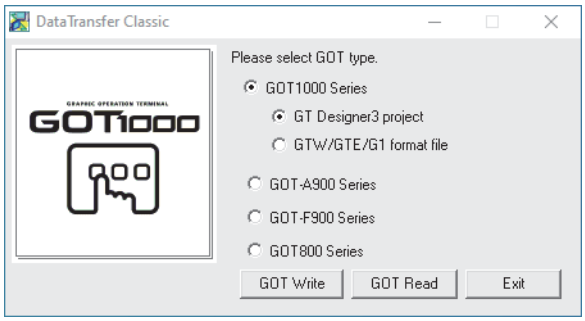
4 HOW TO USE DATA TRANSFER TOOL

The following shows how to use the data transfer tool.



4.1 Menu

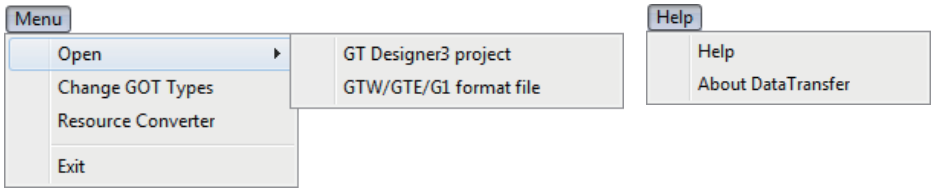
(1) Start Menu



Item	Description
Selection of GOT type	Select the GOT to be used for the data transfer. The opening project data format is selected for the GOT1000 series.
GOT Write	Writes data to the GOT. After clicking the button, the [Open Project] dialog is displayed, and then select the file to be written. After selecting the file, the screen for writing is displayed.
GOT Read	Reads data from the GOT. After clicking the button, the screen for reading is displayed.
Exit	Ends the data transfer tool.

4.2 Data Transfer Tool for GOT1000 Series

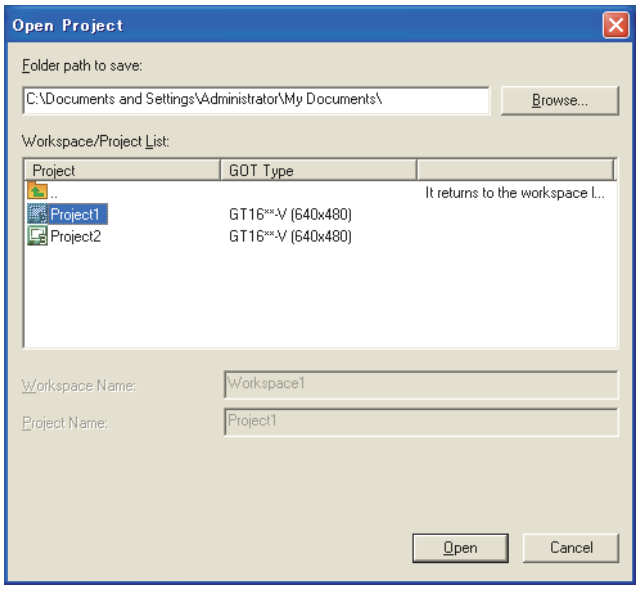
(1) Composition of menu



Item			Description
Menu	Open	GT Designer3 project	Format of the project registered in the work space.
		GTW/GTE/G1 format file	.GTW : Compressed format of GT Designer3 project. .GTE : Format of the project created by GT Designer2. .G1 : Format of the project written to the GOT or CF card.
	Change GOT Types		The start menu opens.
	Resource Converter		The [ResourceConverter] dialog opens.
	Exit		Ends the data transfer tool.
Help	Help		Displays the help for the data transfer tool.
	About DataTransfer		Version information on the data transfer tool is displayed.

(2) Opening GT Designer3 project

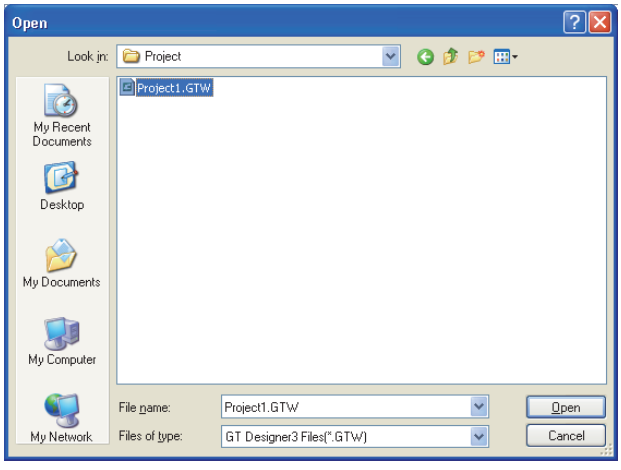
Select [Project] → [Open] from the menu to display the [Open Project] dialog.
Select the project to be opened in [Workspace/Project List]. Click the [Open] button to open the selected project.



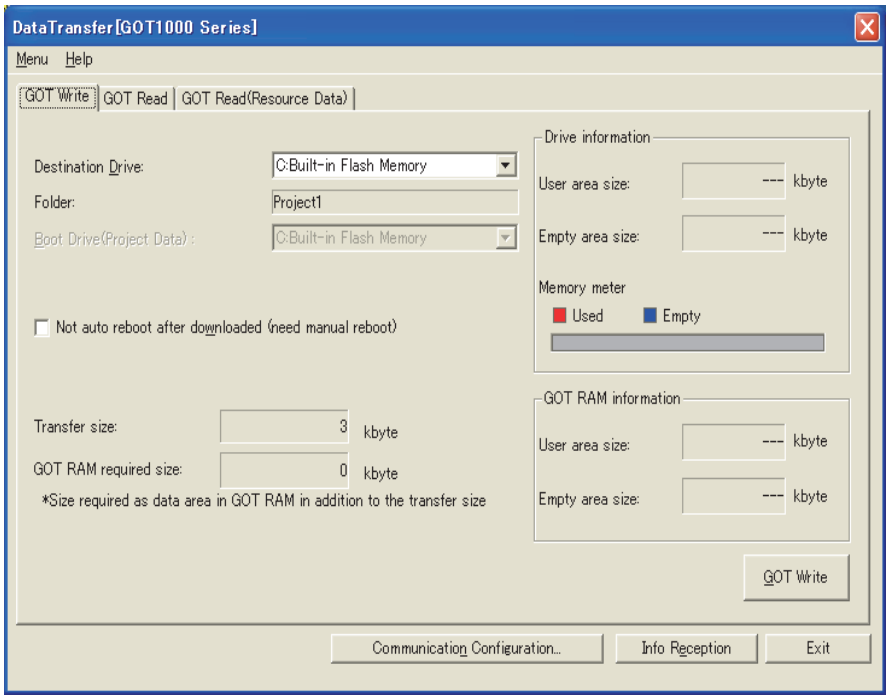
Item	Description
Folder path to save	Enter the path of the location where the workspace is stored. The save destination path can be also set by the [Browse] button. Up to 200 characters can be entered.
Workspace/Project List	Displays the workspace or project existing in the same path entered for [Folder path to save]. Double-click the workspace to be opened to display projects stored in the workspace. Select the project to be opened.
Workspace Name	Displays the workspace name where the project selected in [Workspace/Project List] is stored.
Project Name	Displays the project name selected in [Workspace/Project List].

(3) Reading compressed file (GTW format)/GT Designer2 project (GTE/G1 format)

Select [Open] → [GTW/GTE/G1 format file] from the menu to display the [Open] dialog.
Select a file format (GTW, GTE, or G1) of a project to be opened in [Files of type], and select the project. Then, click the [Open] button to open the selected project.



(4) GOT Write tab



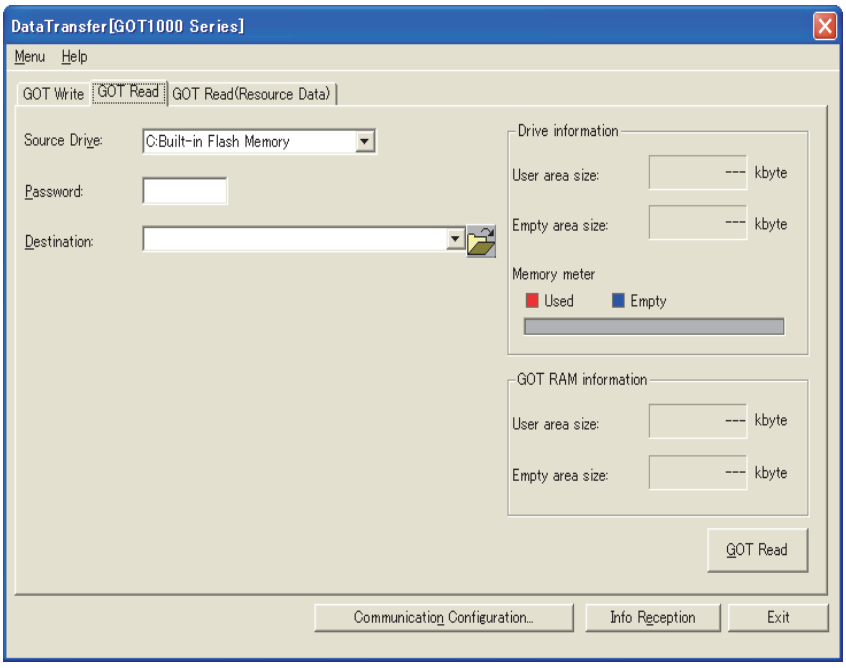
Item	Description
Destination Drive	Select the drive that project data is written. For GT16, GT15, GT14, and GT12, the drive that project data is written can be selected. For GT11 and GT10, the drive is fixed with [C:Built-in Flash Memory].
Folder	Displays the folder name that the project data is stored.
Boot Drive(Project Data)	Displays the drive that the project data is started. (Displays the drive name set for [Destination Drive].)
Not auto reboot downloaded (need manual reboot)	Select this item not to restart the GOT automatically after the project data is written.
Transfer size	Displays the capacity of the project data.
GOT RAM required size	Displays the total capacity of the buffering area to be used for functions, including the advanced alarm.
Drive information	Displays the user area size, empty area size, and memory meter.
GOT RAM information	Displays the user area size and empty area size.
GOT Write	Writes the project data. (Delete the folder that the project data was written on the GOT in the past, and then write the project data.)
Communication Configuration...	The [Communication configuration] dialog is opened. (7) Communication configuration dialog
Info Reception	Reads the drive information from the specified GOT's drive.
Exit	Ends the data transfer tool.

Point

Changing the project data or the GOT type

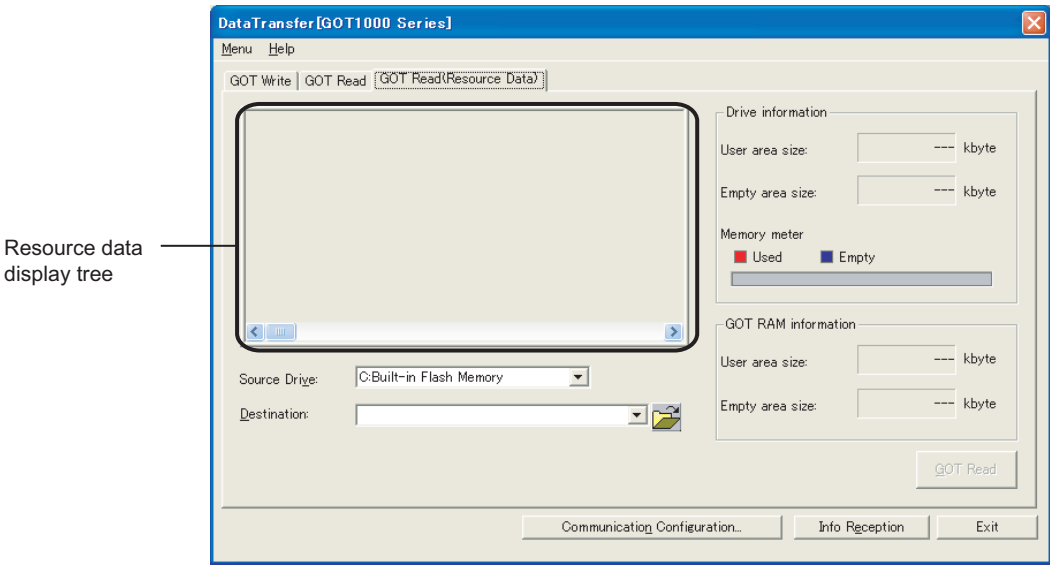
Select [Menu] → [Open] / [Change GOT Types] to change the project data or the GOT type.

(5) GOT Read tab



Item	Description
Source Drive	Select the drive that the project data is read. When selecting an invalid drive for the GOT and clicking the [Info Reception] button, an error message is displayed.
Password	When setting the password for datatransfer or utility start, enter the password. The entered password is displayed as "*".
Destination	Set the storage location for the read project data. (Use the button so that the storage location is easily specified.) (Up to five historical data specified in the past are held.) When [DataTransfer] set by default is selected, the project data is stored in the location where Data Transfer Tool is installed (the location where DataTransferC.exe exists). The project data is stored as G1PRJCT.G1.
Drive information	Displays the user area size, empty area size, and memory meter.
GOT RAM information	Displays the user area size and empty area size.
GOT Read	Reads the project data from the specified drive. When the storage capacity for the read project data is insufficient, the reading is stopped.
Communication Configuration...	The [Communication configuration] dialog is opened. (7) Communication configuration dialog
Info Reception	Reads the drive information from the specified GOT's drive.
Exit	Ends the data transfer tool.

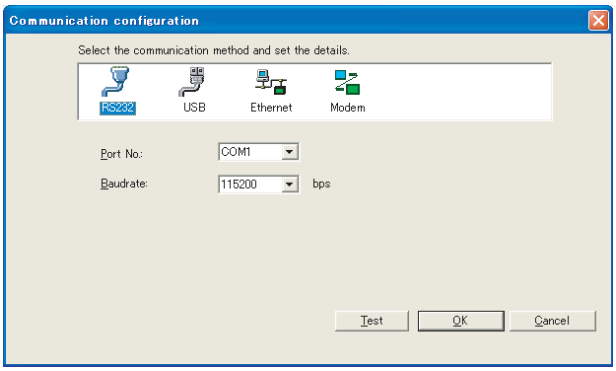
(6) GOT Read (Resource Data) tab



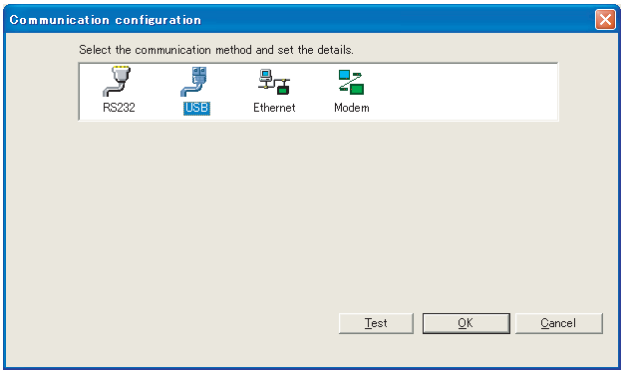
Item	Description
Resource data display tree	Displays the resource data configuration tree after the information of the specified drive is obtained. Right-click the mouse to enable [Select ALL] or [Unselect All].
Source Drive	Select the drive from which the resource data will be read.
Destination	Set the storage destination of the read resource data. (When the button is used, the storage destination can be easily specified.) (Up to five past specified destinations are held.)
Drive information	Displays memory size, empty area size, and memory meter of the selected drive.
GOT RAM information	Displays the user area size and empty area size.
GOT Read	Click this button to read the item, which is checked in the Resource data display tree, from the specified drive. Reading is interrupted if the read destination has run out of space.
Communication Configuration...	The [Communication configuration] dialog is opened. (7) Communication configuration dialog
Info Reception	Click this button to read the drive information from the specified GOT drive. Note that when the drive invalid for the target GOT is specified in Drive name, an error is displayed when the [Info Reception] button is clicked, and the information cannot be obtained.
Exit	Ends the data transfer tool.

(7) Communication configuration dialog

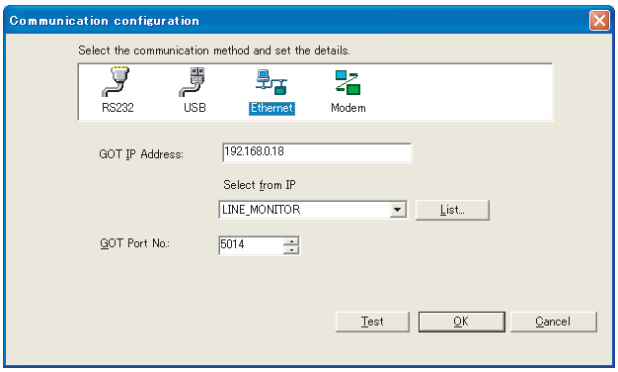
RS232



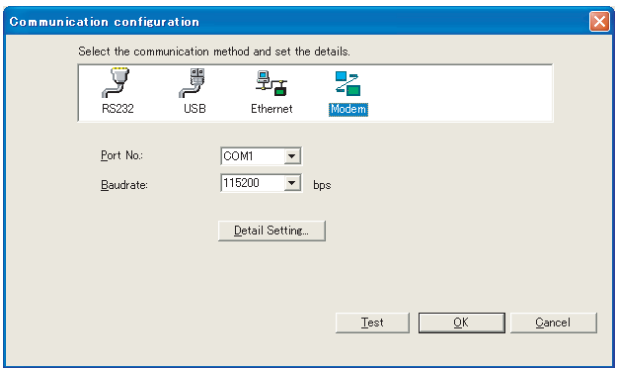
USB



Ethernet

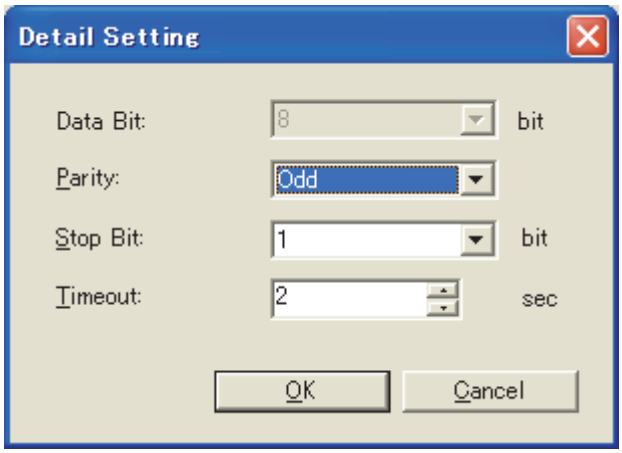


Modem



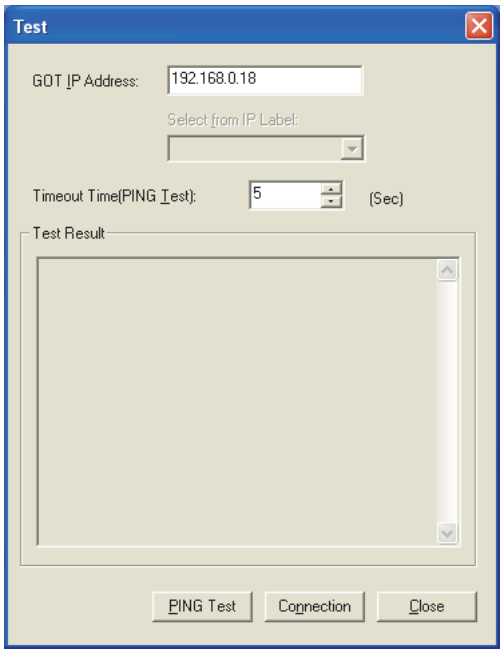
Item	Description
Connection method	Select the connection method between the PC and the GOT from [RS232], [USB], [Ethernet] (GT16, GT15, GT1455-QTBDE, and GT1450-QLBDE only), and [Modem].
Port No.	Select the PC side port that connects with the GOT. The valid communication port numbers are displayed. (COM1 to COM63) (Valid only when [RS232] or [Modem] is selected as the connection method.)
Baudrate	Set the transmission speed between the PC and the GOT. Set the transmission speed suitable for the PC. (Valid only when [RS232] or [Modem] is selected as the connection method.)
Detail Setting...	Opens the [Detail Setting] dialog. (Valid only when selecting [Modem] as the connection method.)
GOT IP Address	Set GOT IP address. (Valid only when selecting [Ethernet] as the connection method.)
Select from IP	Select the GOT IP address from the IP label. (Invalid when [Ethernet] is not selected or the IP label is not registered.)
List	Opens the [IP Label List] dialog. Set the IP label and IP address for selecting the GOT IP address with [Select from IP Label]. (Valid only when selecting [Ethernet] as the connection method.)
GOT Port No.	Set the GOT port No. (Setting range: 1024 to 65534) (Valid only when selecting [Ethernet] as the connection method.)
Test	When selecting [Ethernet]: Opens the [Test] dialog. When selecting [RS232] or [USB]: Starts the communication test.
OK	When changing settings, the changed data is reflected. When the [OK] button is not clicked, the set data is not reflected. (Valid only when changing settings.)
Cancel	The [Communication configuration] dialog is shut annulling the set content when the setting is changed.

(a) Detail setting



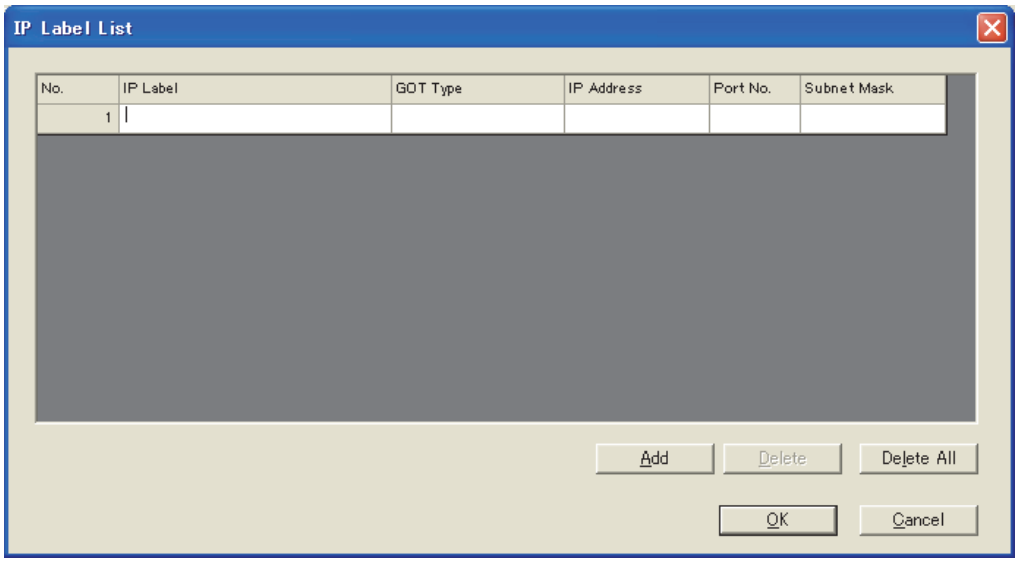
Item	Description
Data Bit	Displays the data length. The setting is fixed to 8 bits.
Parity	Set the parity. Setting range: Odd, Even, None
Stop Bit	Set the stop bit. Setting range: 1 bit, 2 bits
Timeout	Set the timeout time for the initial communication between the data transfer tool and the GOT. Setting range: 1 to 90 seconds
OK	When changing settings, the changed data is reflected. When the [OK] button is not clicked, the set data is not reflected. (Valid only when changing settings.)
Cancel	Cancels the changed data and closes the [Detail Setting] dialog when the setting is changed.

(8) Test dialog



Item	Description
GOT IP Address	Set the GOT IP address to be communicated. (The default is the GOT IP address set in the [Communication configuration] dialog.)
Select from IP Label	Select the GOT IP address from the [IP label].
Timeout Time(PING Test)	Specify the timeout time for the PING test.
Test Result	Displays the specified GOT IP address, and the results of [PING Test] or [Connection].
PING Test	Runs the ping command to the specified GOT IP address. (When clicking the PING Test button, the previous result is cleared.)
Connection	Checks if the specified GOT IP address is the IP address of the GOT1000 series. (When clicking the Connection button, the previous result is cleared.)
Close	Closes the [Test] dialog.

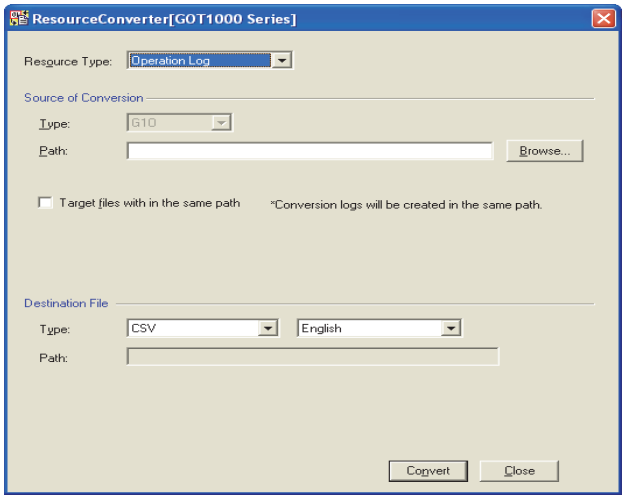
(9) IP Label List dialog



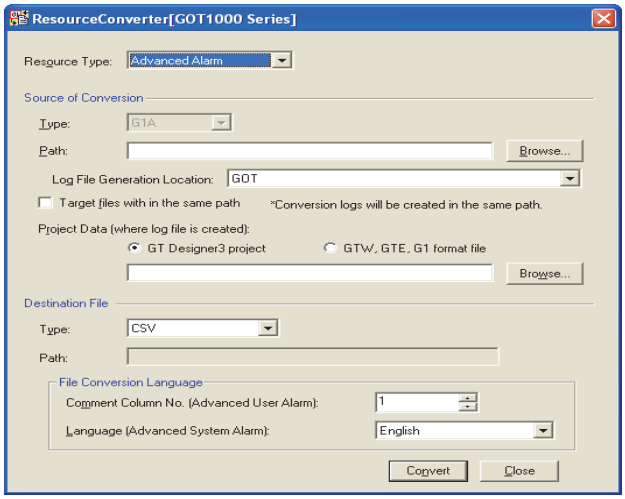
Item	Description
IP Label List	Sets the GOT name, GOT type, IP address, port No., subnet mask.
Add	Adds a line to be registered to the list.
Delete	Deletes the settings in the selected line.
Delete All	Deletes the settings in all lines.
OK	When the setting is changed, the content is reflected. If the [OK] button is not clicked, the set content is not reflected. (Only when a set content is changed, it becomes effective.)
Cancel	The set content is annulled when the setting is changed, and the dialog is closing.

(10) ResourceConverter dialog

When converting the resource data, select [Menu] → [ResourceConverter] from the menu.
This function is only available for GOT1000 series.



For Operation Log



For Advanced Alarm

Item	Description	
Resource Type	Select the resource type (Advanced Recipe, Operation Log, Logging, or Advanced Alarm) to be converted.	
Source of Conversion	Set the conversion source file.	
	Type	Select the type of the conversion source file. The type of the selectable file varies according to the resource data type selected with [Resource Type]. For advanced recipe :CSV, Unicode Text, G1P For operation log :G1O For logging :G1L For advanced alarm :G1A
	Path	Specify the path of the conversion source file. The save destination path can be set by the [Browse] button also.
	Log File Generation Location	Set here when [Advanced Alarm] is selected in [Resource Type]. Select the location where the log file is created.
	Target files with in the same path	If the checkbox is checked, all the files in the same path (only selected files in [Type]) can be targeted. When executing a file conversion with this checkbox checked, the conversion log is created automatically for the specified path.With the conversion log, the full path of the converted file, the conversion result (OK or NG), and the file creation date and time can be checked.
	Project Data (where log file is created)	Set here when [Advanced Alarm] is selected in [Resource Type]. Select the format of the project data and set the project data which is used to create the advanced alarm log file. The save destination path can be set by the [Browse] button also.

Item	Description	
Destination File	Set the converted file.	
	Type	Select the type of the converted file. The type of the selectable file varies according to the resource data type selected with [Resource Type]. For advanced recipe :CSV, Unicode Text, G1P For operation log :CSV, Unicode Text For logging :CSV, Unicode Text For advanced alarm :CSV, Unicode Text When selecting [Operation Log] in [Resource Type], select the language to be used in the converted file. The selectable language varies according to the type of the converted file. CSV :Japanese or English Unicode Text :Japanese, English, Chinese(Simplified), Chinese(Traditional), Korean, or German
	Path	Displays the output destination (the same path as that of the converted file) of the converted file.
	File Conversion Language	Set here when [Advanced Alarm] is selected in [Resource Type]. • [Comment Column No. (Advanced User Alarm)] : Set the comment column No. which is used to convert an advanced alarm log file (advanced user alarm). (1 to 10) • [Language (Advanced System Alarm)] : Select a language of the converted file when converting an advanced alarm log file (advanced system alarm). The selectable language varies according to the type of the converted file. CSV : Japanese or English Unicode Text : Japanese, English, Chinese (Simplified), Chinese (Traditional), Korean or German
Convert	Converts the source file.	
Close	Closes the [ResourceConverter] dialog.	

Point

(1) Precautions on converting advanced recipe file

When converting a Unicode Text file or CSV file to a G1P file, the original G1P file before being converted to the target Unicode Text file or CSV file is required.
Store the original G1P file in the folder with the same path as the Unicode Text file or CSV file of the conversion source file.

(2) Precautions on converting advanced alarm log file

When converting an advanced alarm log file, the project data which is used to create the advanced alarm log file is required.
When there is no project data, read one from the GOT.

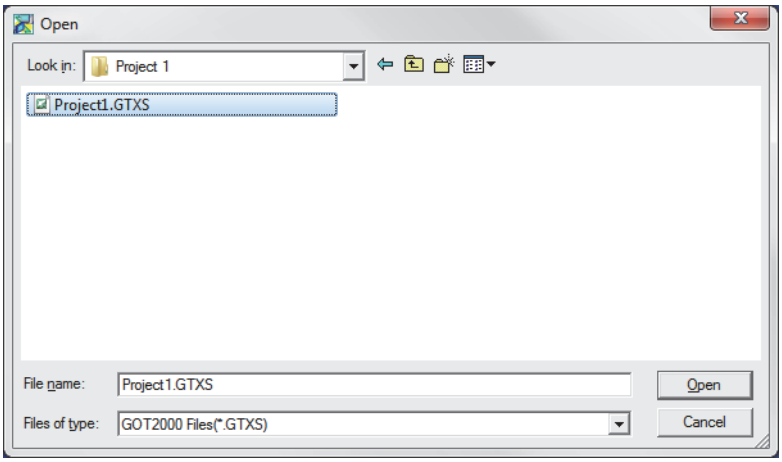
4.3 Data Transfer Tool for GOT-A900, GOT-F900, GOT800 Series

(1) Composition of menu

Item		Description
Menu	Open Project	Opens the project data.
	Change GOT Types	The start menu opens.
	Exit	Ends the data transfer tool.
Help	Help	Displays the help for the data transfer tool.
	About DataTransfer	Version information on the data transfer tool is displayed.

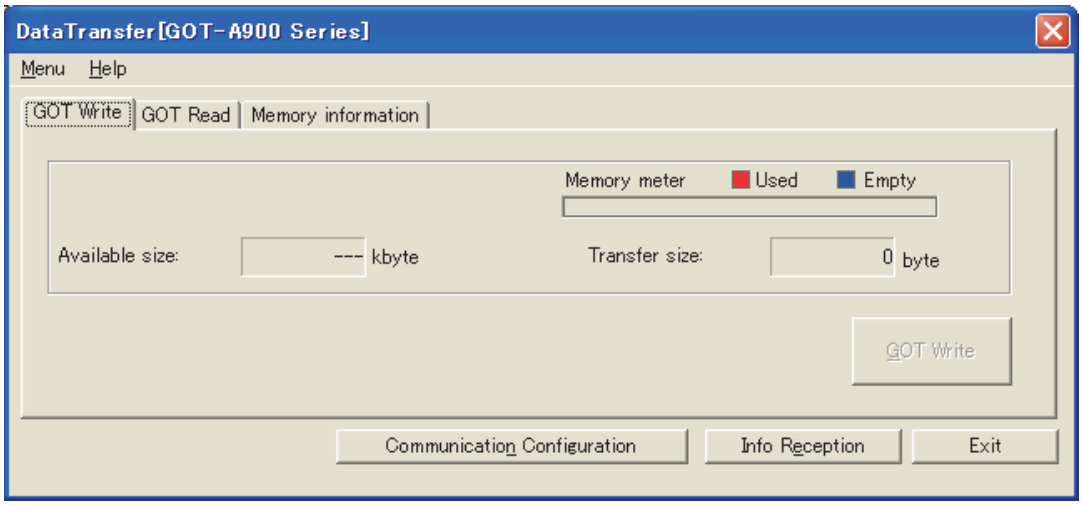
(2) Reading [GOT-A900]/[GOT-F900]/[GOT800] project (GTD/GOT/F1 format)

Select [Open Project] from the menu to display the [Open] dialog.
Select a file format (GTD, GOT, or F1) of a project to be opened in [Files of type], and select the project. Then, click the [Open] button to open the selected project.



(Example: Window for the GOT-A900 series)

(3) GOT Write tab



(Example: The screen for GOT-A900 series)

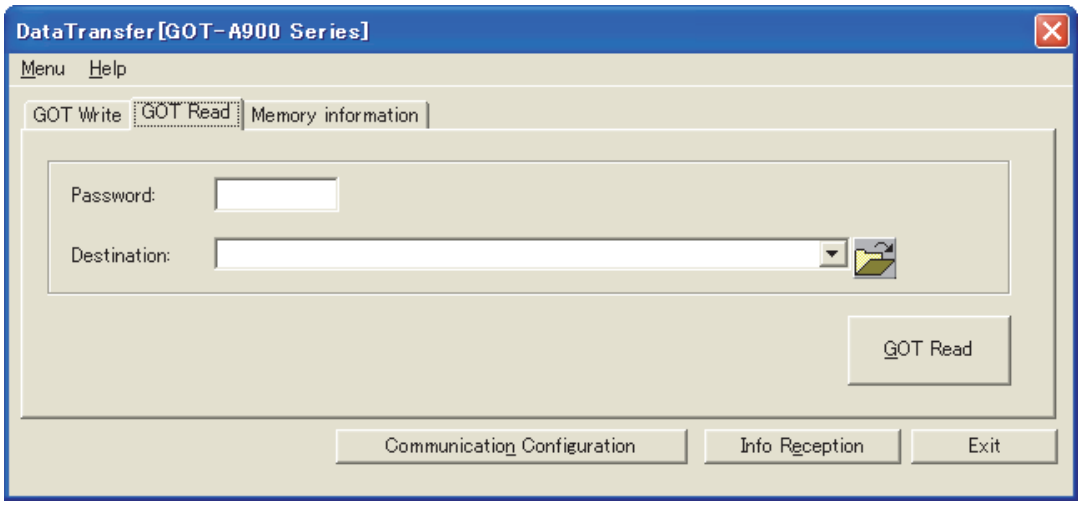
Item	Description
Memory meter	When the GOT's memory information is obtained in the [Memory information] tab, the available capacity for the user is displayed as a meter.
Available size	When the GOT's memory information is obtained in the [Memory information] tab, the available capacity for the user is displayed.
Transfer size	Displays the capacity of the monitor data.
GOT Write	Writes the monitor data.
Communication Configuration...	The [Communication configuration] dialog is opened. (6) Communication configuration dialog
Info Reception	Reads the drive information from the specified GOT's drive.
Exit	Ends the data transfer tool.

Point

Changing the project data or the GOT type

Select [Menu] → [Open Project]/[Change GOT Types] to change the project data or the GOT type.

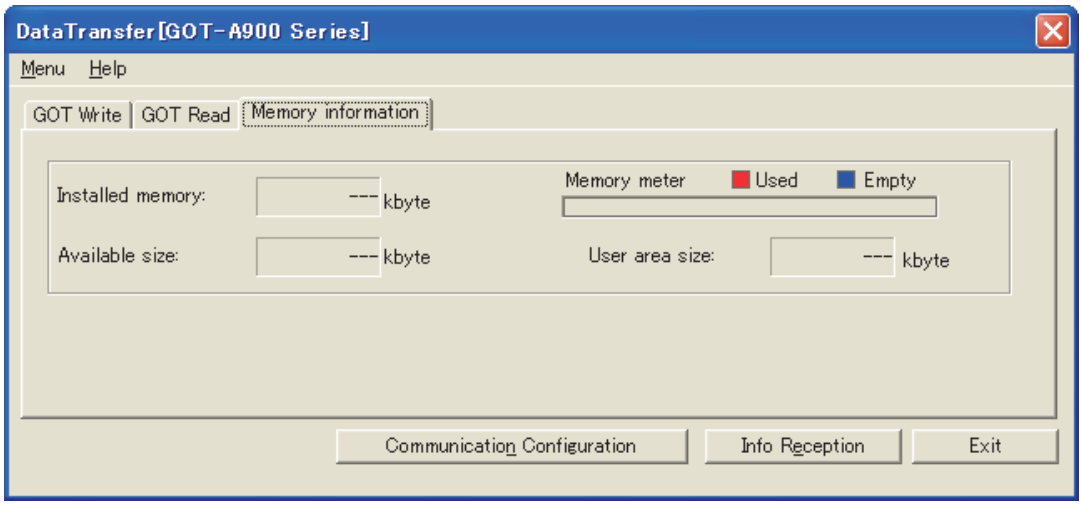
(4) GOT Read tab



(Example: The screen for GOT-A900 series)

Item	Description
Password	When setting the password for data transfer or utility start, enter the password. The entered password is displayed as "*".
Destination	Set the storage location for the read monitor data. (Up to five historical data specified in the past are held.) When [DataTransfer] set by default is selected, the project data is stored in the location where Data Transfer Tool is installed (the location where DataTransferC.exe exists).
GOT Read	Reads all the monitor data in the GOT's built-in memory. When the storage capacity for the read monitor data is insufficient, the reading is stopped.
Communication Configuration	The [Communication configuration] dialog is opened. (6) Communication configuration dialog
Info Reception	Reads the drive information from the specified GOT's drive.
Exit	Ends the data transfer tool.

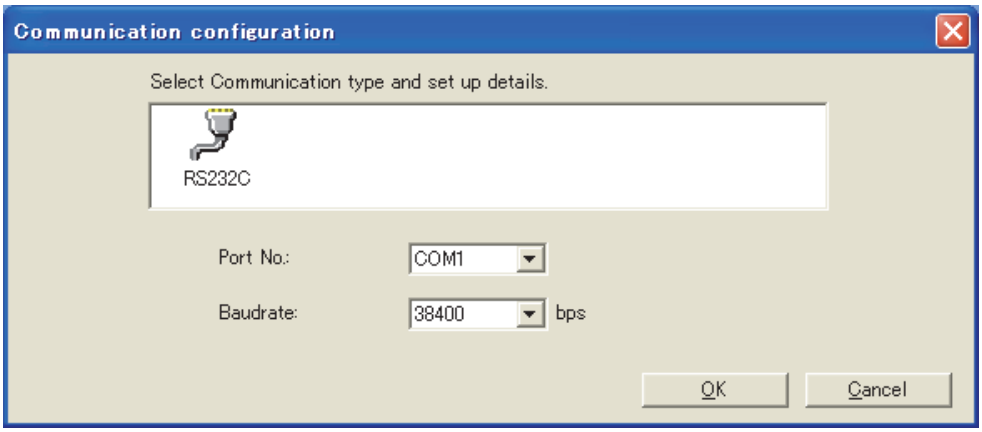
(5) Memory information tab



(Example: The screen for GOT-A900 series)

Item	Description
Installed memory	Displays the GOT's built-in memory capacity. (The item does not exist for GOT-F900 series.)
Memory meter	When the GOT's memory information is obtained in the [Memory information] tab, the available capacity for the user is displayed as a meter.
Available size	Displays the available capacity in the built-in memory capacity for the user. (Kbyte unit)
User area size	Displays the used capacity by the user in the built-in memory capacity. (Kbyte unit)
Communication Configuration	The [Communication configuration] dialog is opened. ☞ (6) Communication configuration dialog
Info Reception	Reads the drive information from the specified GOT's drive.
Exit	Ends the data transfer tool.

(6) Communication configuration dialog



(Example: The screen for GOT-A900 series)

Item	Description
Port No.	Select the PC side port that connects with the GOT.
Baudrate	Set the transmission speed between the PC and the GOT. Set the transmission speed suitable for the PC.
OK	When changing settings, the changed data is reflected. When the [OK] button is not clicked, the set data is not reflected. (Valid only when changing settings.)
Cancel	The [Communication configuration] dialog is shut annulling the set content when the setting is changed.

5 OPERATION WITH COMMAND LINE

Execute the project data transfer and resource data conversion with the command line.
An operation with the command line is only available for GOT1000 series.
The following explains commands according to the format in the table below.

Symbol	Description
/	Indicates that the command is an option.
[]	Indicates that the command can be omitted.
...	Indicates that the command can specifies multiple options and arguments in a row.

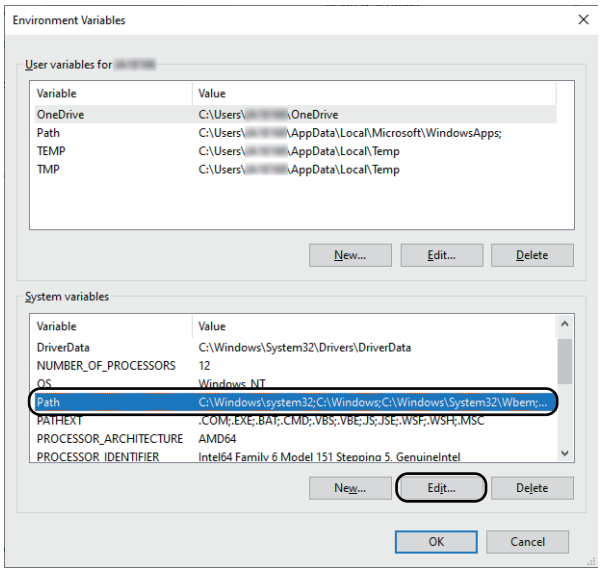
Perform either of the following operations to start Command Prompt. (For Windows 10)
- Select [Start] → [Windows System] → [Command Prompt] from the menu.
- Select [Start] from the menu, and input "cmd" in [Search programs and files].

Point

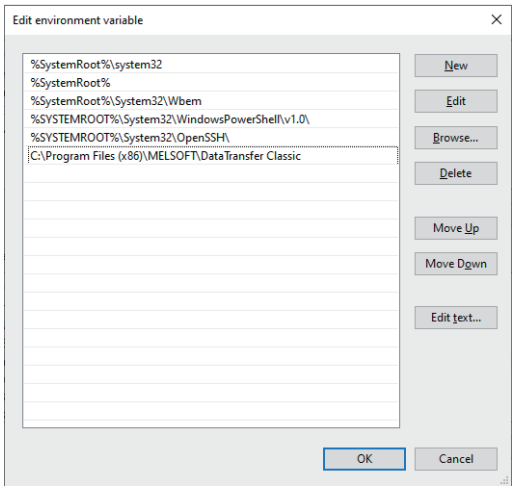
Before operation with command line

Before inputting a command name directly in the command prompt to execute the operation, set environment variables (PATH) for the folder of Data Transfer.
For details of the environment variables, refer to the manual or Help of Windows.
The following shows an example of setting environment variables. (For Windows 10)

1. Click [Start] → [Windows System] → [Control Panel].
2. In [Control Panel], select [System and Security] → [System].
3. Select [Advanced system settings] and click the [Environment Variables] button.
4. Select [Path] from [System variables] and click [Edit].



5. Click the [New] button, and enter the path to an executable file.
Example) C:\Program Files (x86)\MELSOFT\DataTransfer Classic



6 Click the [OK] button in each dialog in the following order.
•[Edit environment variable] dialog → [Environment Variables] dialog → [System Properties] dialog

5.1 Data Transfer with Command Line

The following shows the data transfer operations that can be executed with the command line for the GOT1000 series.

Operation	Command	Reference
Writing the project data	DtComm /download	(1)
Reading the project data	DtComm /upload	(2)
Reading the resource data	DtComm /resourceup	(3)
Obtaining the drive information	DtComm /getdriveinfo	(4)
Creating the INI file	DtComm /inicreate	(5)
Communication settings	DtComm /commconfig	(6)
Displaying the S/W version, data transfer command and options	DtComm /help	(7)
	DtComm /?	

(1) Writing the project data

(a) Format

DtComm /download [/Drv got_drive_name] [/Del] [/NotReboot] [/PrjUsername project_username] [/PrjPassword project_password] [/Pass password] project_filename
DtComm /download INI_filename

(b) Option

Option	Variable name	Description
/Drv	got_drive_name	Specifies the GOT drive (A, B, C) where project data are written. When this option is omitted, the C drive is specified.
/Del	-	Writes project data to the drive, after deleting all project data that already exist in the drive. When this option is omitted, the project data are written to the drive without deleting all project data that already exist in the drive.
/NotReboot	-	Does not restart the GOT after project data are written. Available only when the GOT is connected to the personal computer with the Ethernet connection. When this option is omitted, the GOT is restarted after the project data are written.
/PrjUsername	project_username	Specifies the user name set for the project data to be written.
/PrjPassword	project_password	Specifies the password set for the project data to be written.
/Pass	password	Specifies the data transfer/utility password set for the write destination project data. The password is valid when the project data in the GOT is overwritten. When "/Del" is specified, this option is not required. When this option is omitted, the password is not specified.
-	project_filename	Specifies the file name of the project data to be written with an absolute path/ a relative path and an extension (.GTW/.G1/.GTE).
/download	INI_filename	Specifies the INI file to be used for the write with an absolute path/a relative path and an extension (.ini).

For the details of the INI file, refer to the following.

☞ 5.3 INI File

(c) Input example

Example: Writing the project data (TEST.GTE) to the C drive in the GOT
DtComm /download /Drv C TEST.GTE

(2) Reading the project data

(a) Format

DtComm /upload [/Drv got_drive_name] [/Pass password] [G1_filename]
DtComm /upload INI_filename

(b) Option

Option	Variable name	Description
/Drv	got_drive_name	Specifies the GOT drive (A, B, C) that has project data to be read. When this option is omitted, the C drive is specified.
/Pass	password	Specifies the data transfer/utility password set with GT Designer3 or GT Designer2. When this option is omitted, the password is not specified.
-	G1_filename	Specifies the storage location for the read project data with an absolute path/a relative path and an extension (.G1). When this option is omitted, project data are read as "G1PRJCT.G1" file to the current directory.
-	INI_filename	Specifies the INI file to be used for the read with an absolute path/a relative path and an extension (.ini).

For the details of the INI file, refer to the following.

☞ 5.3 INI File

(c) Input example

Example: Reading project data from the C drive in the GOT and storing data as TEST.G1 to C:\TEST_DIR in the personal computer
DtComm /upload /Drv C C:\TEST_DIR\TEST.G1

(3) Reading the resource data

(a) Format

DtComm /resourceup [/Drv got_drive_name] [/Dest up_folder] filename...
DtComm /resourceup INI_filename

(b) Option

Option	Variable name	Description
/Drv	got_drive_name	Specifies the GOT drive (A, B, C, D) that has resource data to be read. When this option is omitted, the C drive is specified.
/Dest	up_folder	Specifies the destination for the read resource data. When this option is omitted, resource data are read to the current directory.
-	filename	Specifies the file name or path of the resource data to be read. If "all" is specified, all resource data for the specified drive are read.
-	INI_filename	Specifies the INI file to be used for the read with an absolute path/a relative path and an extension (.ini).

For the details of the INI file, refer to the following.

☞ 5.3 INI File

(c) Input example

Example: Reading resource data (ARP00001.G1P) from the A drive in the GOT and storing data to C:\TEST_DIR in the personal computer.
DtComm /resourceup /Drv A /Dest C:\TEST_DIR \PROJECT1\ARP00001.G1P

(4) Obtaining the drive information

(a) Format

DtComm /getdriveinfo [/Drv got_drive_name] [INI_filename]

(b) Option

Option	Variable name	Description
/Drv	got_drive_name	Specifies the GOT drive (A, B, C, D) for obtaining information. When this option is omitted, the C drive is specified.
-	INI_filename	Specifies the INI file that stores the obtained drive information with an extension (.ini). When this option is omitted, the obtained drive information is output to the command prompt screen.

(c) Input example

Example: Obtaining the drive information from the A drive in the GOT and storing data to the "TransTest.ini" file

DtComm /getdriveinfo /Drv A C:\TEST_DIR\TransTest.ini

(5) Creating the INI file

(a) Format

DtComm /inicreate INI_filename [/Transfer_data_item [transfer_setting]...]...

(b) Option

Option	Variable name	Description
-	INI_filename	Specifies the file name of the INI file to be created with an extension (.ini).
/Transfer_data_item	-	Specifies the key in the INI file for data to be transferred. For details of the keys in the INI file, refer to the following. ☞ 5.3 INI File
-	transfer_setting	Specifies the number (such as a screen number) and file name of data to be transferred.

For the details of the INI file, refer to the following.

☞ 5.3 INI File

(c) Input example

Example: Creating the INI file (TransTest.ini) for writing the project data.

DtComm /inicreate TransTest.ini /file TEST.GTE /got_drive C /download_delete 1 /base 1-5 /advrecipe all /communication_setting 1 /got_setup 1 /advrecipecommon 1

(6) Communication settings

(a) Format

DtComm /commconfig [/Type comm_type] [/CPort port] [/Baudrate baudrate] [/Ip ip_address] [/Port port_num] [/Mport port] [/Mbaudrate baudrate] [/Databit data] [/Parity parity] [/Stopbit stopbit] [/Timeout timeout]

DtComm /commconfig /test

(b) Option

Option	Variable name	Description
/Type	comm_type	Specifies the connection method (RS232, USB, Ethernet, Modem).
/CPort	port	Specifies the communication port (COM1 to COM63). Available only when the connection method is specified to [RS232].
/Baudrate	baudrate	Specifies the transfer speed (baud rate) (9600, 19200, 38400, 57600, 115200). Available only when the connection method is specified to [RS232].
/Ip	ip_address	Specifies the IP address (0.0.0.0 to 255.255.255.255). An IP address can also be specified with a registered name. Available only when the connection method is specified to [Ethernet].
/Port	port_num	Specifies the port number (1024 to 65534). Available only when the connection method is specified to [Ethernet].
/Mport	port	Specifies the communication port (COM1 to COM63). Available only when the connection method is specified to [Modem].
/MBaudrate	baudrate	Specifies the transfer speed (baud rate) (9600, 19200, 38400, 57600, 115200). Available only when the connection method is specified to [Modem].
/Databit	data	Specifies the MODEM databit (8).
/Parity	parity	Specifies the MODEM parity (Odd, Even, None).
/Stopbit	stopbit	Specifies the MODEM stopbit (1, 2).
/Timeout	timeout	Specifies the MODEM timeout (1 to 90).
/test	-	Executes the communication test.

(c) Input example

Example: Changing the communication settings of the connection method, communication port, and baud rate to [RS232], [COM1], and [57600] respectively

DtComm /commconfig /Type RS232 /CPort COM1 /Baudrate 57600

(7) Displaying the S/W version, data transfer command and options

(a) Format

DtComm /help

DtComm /?

5.2 Resource Data Conversion with Command Line

The following shows the resource data conversion operations that can be executed with the command line for the GOT1000 series.

Operation	Command	Reference
Converting resource data	rcconv	(1)
Displaying the S/W version, resource data conversion commands, and options.	rcconv /help	(2)
	rcconv /?	

(1) Converting resource data

(a) Format

Resource type	Format
Advanced recipe, Logging	rcconv filename [target_extension] [/m]
Operation log	rcconv filename [target_extension] [language_type] [/m]
Advanced alarm	rcconv filename projectfilename [user:username] [pw:password] [target_extension] [column_no] [language_type] [generation_location] [/m]

(b) Option

Option	Description
filename	Specifies the source resource data file with an absolute path/a relative path and a file name (including extension).
projectfilename	Specifies the file of the project data which is used to create an advanced alarm log file data to be converted. • For GT Designer3 project : Absolute path/Relative path + project name • For GTW/GTE/G1 : Absolute path/Relative path + project file name (with an extension)
user:username	Specifies this option when security is set in the project data specified with "projectfilename". Enter the specified user name after "user:".
pw:password	Specifies this option when security is set in the project data specified with "projectfilename". Enter the specified password after "pw:".
target_extension	Specifies the extension of the converted file. The type of the file that can be specified varies according to the source resource data type. For advanced recipe :CSV, TXT, G1P For operation log :CSV, TXT For logging :CSV, TXT For advanced alarm :CSV, TXT When this option is omitted, the extension is specified as listed below according to the type of the conversion source file. G1P, G1O, G1L, G1A :CSV CSV, TXT :G1P
column_no	Specifies the comment column No. which is used to convert an advanced alarm log file (advanced user alarm). When this option is omitted, 1 is specified.

Option	Description
language_type	Specifies the output language for the operation log and the advanced alarm. Available only when the operation log file or advanced alarm log file (advanced system alarm) is converted. The type of the file that can be specified varies according to the type of the converted file. For CSV Japanese :JPN English :ENG For TXT Japanese :JPN English :ENG Chinese (Simplified) :CHS Chinese (Traditional):CHT Korean :KOR German :GER When this option is omitted, Japanese (JPN) is specified.
generation_location	Specifies the location where the advanced alarm log file is created. For GOT main unit : GOT For GT SoftGOT1000 (when SoftGOT-GOT link function is used) : SGOTLINK For GT SoftGOT1000 (when SoftGOT-GOT link function is not used): SGOT For GT Simulator3/GT Simulator2 : GSS
/m	Targets all files (only the extension specified with "target_exteision") in the same path for the conversion. A conversion log is automatically created in the specified path. With the conversion log, the full path of the converted file, the conversion result (OK or NG), and the file creation date and time can be checked.

(c) Input example

Example: Converting the resource data (ARP00001.G1P) of "C:\TEST_DIR\PROJECT1" in a personal computer into a CSV file.

rcconv C:\TEST_DIR\PROJECT1\ARP00001.G1P CSV

Point

(1) Precautions on converting advanced recipe file

When converting a Unicode Text file or CSV file to a G1P file, the original G1P file before being converted to the target Unicode Text file or CSV file is required. Store the original G1P file in the folder with the same path as the Unicode Text file or CSV file of the conversion source file.

(2) Precautions on converting advanced alarm log file

When converting an advanced alarm log file, the project data which is used to create the advanced alarm log file is required.

When there is no project data, read one from the GOT.

(2) Displaying the S/W version, resource data conversion commands, and options

(a) Format

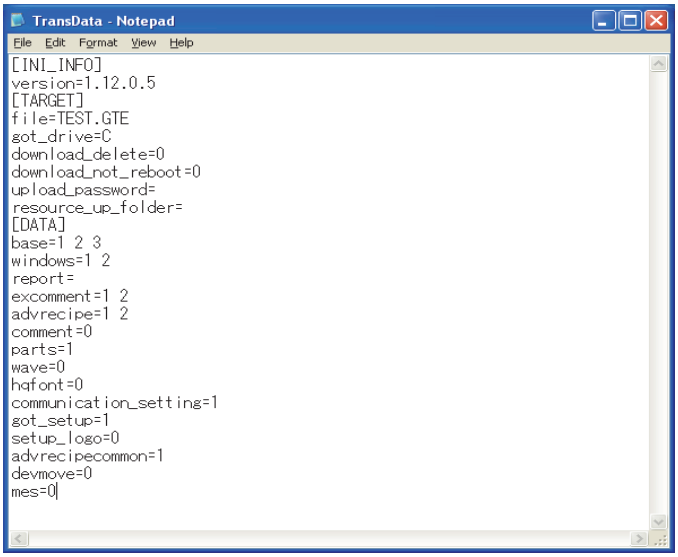
rcconv /help

rcconv /?

5.3 INI File

By registering the communication setting, transfer target, and others to the INI file, the INI file can be used for the data transfer with the command line.
With the INI file, processing, including automatically transferring the specified data regularly, is enabled.
The INI file can be created with the command line operation.
This function can be used only for the GOT1000 series.
For details of the commands, refer to the following.

☞ 5.1 (5)Creating the INI file



Point

Creating and editing the INI file

When the project data is transferred, the "TransData.ini" file stored in the following folder is updated.
Users\(user name)\AppData\Local\MITSUBISHI\DataTransfer
The above edited INI file can be used for transferring data.
Edit the INI file with a text editor.
The following folders are hidden folders.
Users\(user name)\AppData\Local
To display the hidden folders, configure the setting in Windows.

The keys in the INI file are classified into three categories.
When editing the INI file, input keys in the specified category.
In the categories, the order of the keys can be changed.
The following explains the keys in each category.

(1) [INI_INFO]

In the category [INI_INFO], the version of the "dll" file is displayed when the INI file is created. (No need to input the version.)

Key	Description
version	Displays the version of the "dll" file during creating the INI file.

(2) [TARGET]

In the category [TARGET], specify the data transfer setting.

Key	Description
file	Specifies the file name of project data to be written or the name of the file that stores the read project data. This key cannot be omitted.
got_drive	Specifies the GOT drive for the transfer target. This key cannot be omitted.
download_delete	Specifies whether to delete all existing project data when writing data. (0: All data not deleted, 1: All data deleted) When this key is omitted, the project data are written to the drive without deleting the all existing project data.
download_not_reboot	Specifies whether to restart the GOT automatically after writing project data, Available only when the GOT is connected to the personal computer with the Ethernet connection. (0: GOT restarted automatically, 1: GOT not restarted automatically) When this key is omitted, the GOT is restarted automatically.
upload_password	Specifies the data transfer/utility password set with GT Designer3 or GT Designer2. When this key is omitted, the password is not specified.
resource_up_folder	Specifies the folder of the resource data to be read. This key cannot be omitted.
project_username	Specifies user-name when opening the project file.
project_password	Specifies password when opening the project file.

(3) [DATA]

In the category [DATA], specify the data to be transferred.
When specifying multiple data, separate the each key with a one-byte space.

Key	Description
base	Specifies the base screen of the transfer target with the screen number. When specifying consecutive screen numbers, numbers such as "1-5" (for 1 to 5) can be specified. If "all" is specified, the all base screen setting data in the specified drive are transferred.
window	Specifies the window screen of the transfer target with the screen number. When specifying consecutive screen numbers, numbers such as "1-5" (for 1 to 5) can be specified. If "all" is specified, the all window screen setting data for the specified drive are transferred.
report	Specifies the report screen of the transfer target with the screen number. When specifying consecutive screen numbers, numbers such as "1-5" (for 1 to 5) can be specified. If "all" is specified, the all report screen setting data in the specified drive are transferred.

Key	Description
excomment	Specifies the comment group of the transfer target with the group number. When specifying consecutive group numbers, numbers such as "1-5" (for 1 to 5) can be specified. If "all" is specified, the all comment setting data in the specified drive are transferred.
advrecipe	Specifies the advanced recipe setting of the transfer target with the recipe number. When specifying consecutive recipe numbers, numbers such as "1-5" (for 1 to 5) can be specified. If "all" is specified, the all advanced recipe setting data in the specified drive are transferred.
comment	Specifies whether to transfer the basic comment setting data. (0: Not transferred, 1: Transferred)
parts	Specifies whether to transfer the parts setting data. (0: Not transferred, 1: Transferred)
wave	Specifies whether to transfer the sound WAVE setting data. (0: Not transferred, 1: Transferred)
hqfont	Specifies whether to transfer the HQ font setting data. (0: Not transferred, 1: Transferred)
communication_setting	Specifies whether to transfer the communication setting data. (0: Not transferred, 1: Transferred)
got_setup	Specifies whether to transfer the GOT setup setting data. (0: Not transferred, 1: Transferred)
setup_logo	Specifies whether to transfer the startup logo setting data. (0: Not transferred, 1: Transferred)
advrecipecommon	Specifies whether to transfer the advanced recipe common setting data. (0: Not transferred, 1: Transferred)
devmove	Specifies whether to transfer the device data transfer setting data. (0: Not transferred, 1: Transferred)
mes	Specifies whether to transfer the MES interface setting data. (0: Not transferred, 1: Transferred)
communication_setting_ip_label	Specifies whether to transfer the communication setting data and IP Label List. (0: Not transferred, 1: Transferred)
label	Specifies whether to transfer the system label. (0: Not transferred, 1: Transferred)
resource_files	Specifies the resource data to be read with the file name or path of the resource data. If "all" is specified, all resource data in the specified drive are read.

5.4 Setting Example

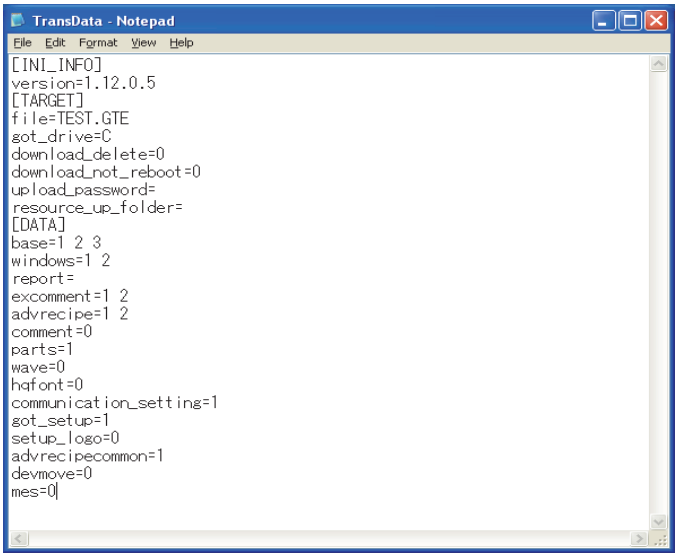
The following explains the setting example of the INI file.

(1) When writing project data

(a) Data to be written

Transfer target	INI file setting	Description
Project data	file=test.gte	Writes "test.gte".
Destination GOT drive	got_drive=C	Specifies the C drive for storing the written project data.
Base screen	base=1 2 3	Writes the base screen setting (Screen number: 1, 2, 3).
Window screen	window=1 2	Writes the window screen setting (Screen number: 1, 2).
Comment group	excomment=1 2	Writes the comment settings (Group number: 1, 2).
Advanced recipe settings	advrecipe=1 2	Writes the advanced recipe settings (Recipe number: 1, 2).
Parts	parts=1	Writes the parts setting.
Communication settings	communication_setting=1	Writes the communication settings.
GOT setup	got_setup=1	Writes the GOT setup setting.
Advanced recipe common	advrecipecommon=1	Writes the advanced recipe common setting.

(b) INI file

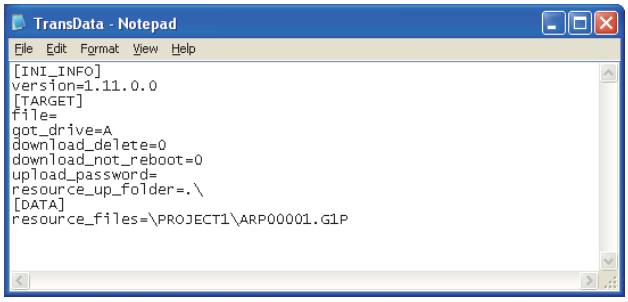


(2) When reading resource data

(a) Data to be read

Transfer target	INI file setting	Description
Source GOT drive	got_drive=A	Specifies the A drive for the source resource data.
Destination of resource data to be read	resource_up_folder=.\	Reads the resource data to the current directory.
Resource data to be read	resource_files=\PROJECT1\ARP00001.G1P	Reads the advanced recipe file (ARP00001.G1P) stored in the GOT A drive.

(b) INI file



6 INTERFACE FUNCTION

The interface function is a function that can be used with Microsoft Visual C++.
By using the interface function, the data transfer and the resource data conversion can be executed between the GOT and a personal computer with the user-created application.
The interface function is only available for GOT1000 series.

Point

Return Value

For details of the return value for the interface function, refer to the following.

☞ 6.4 Return Value

6.1 Development Environment

(1) Development environment

The following shows the development environment using the interface function.

Development environment
Microsoft Visual C++ 6.0

(2) For using interface function

For using the interface function, the following files are required.

File name	Description
DtUser.dll	DLL for the interface functions
DtUser.lib	LIB for the interface functions
DtFunc.h	Header file for the interface functions

The above files are stored in the [DtUserDLL] folder under the [DataTransferClassic] folder that stores the installer of the product.
To use an application that uses the interface functions, store "DtUser.dll" in the folder where the application is stored or in a folder with a path specified.

6.2 Data Transfer Interface Function

The following shows the data transfer interface functions to transfer data with the user-created application for the GOT1000 series.

Data transfer interface function	Description	Reference
long DT_Download()	Writes the project data.	(1)
long DT_DownloadEx()	Writes the project data where security is set.	(2)
long DT_DownloadEx2()	Removes the data transfer/utility password security from the write destination project data, and writes project data with security to the write destination.	(3)
long DT_INI_Download()	Writes the project data specified in the INI file.	(4)
long DT_Upload()	Reads the project data.	(5)
long DT_INI_Upload()	Reads the project data specified in the INI file.	(6)
long DT_ResourceUP()	Reads the resource data.	(7)
long DT_INI_ResourceUP()	Reads the resource data specified in the INI file.	(8)
long DT_GetDriveInfo()	Obtains the GOT drive information.	(9)
long DT_CommConfig()	Changes communication settings.	(10)
long DT_CommConfigEx()	Changes communication settings for MODEM.	(11)
long DT_CommTest()	Executes the communication test.	(12)
long DT_GetLastCommError()	Obtains the communication error data occurred in previous communication.	(13)

(1) DT_Download()

(a) Format

lResult = DT_Download(project_filename, got_drive_name, del, notreboot);

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
project_filename	const wchar_t*	Project file name (GT Designer3 project/ .GTW/.G1/.GTE)	Input
got_drive_name	const wchar_t*	GOT drive for writing project data	Input
del	long	Setting of deleting all project data in writing (Without deletion: 0, With deletion before write: 1)	Input
notreboot	long	GOT restart setting after the write (GOT restarted: 0, GOT not restarted: 1) (Available only when the GOT is connected to the personal computer with the Ethernet connection.)	Input

(b) Explanation

The function writes the project data specified with "project_filename" to the GOT drive specified with "got_drive_name".

(c) Return value

Successful completion : "0" is returned.

Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.

(2) DT_DownloadEx()

(a) Format

lResult = DT_DownloadEx(project_filename, got_drive_name, del, notreboot, project_username=" ", project_password=" ");

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
project_filename	const wchar_t*	Project file name (GT Designer3 project/ .GTW/.G1/.GTE)	Input
got_drive_name	const wchar_t*	GOT drive for writing project data	Input
del	long	Setting of deleting all project data in writing (Without deletion: 0, With deletion before write: 1)	Input
notreboot	long	GOT restart setting after the write (GOT restarted: 0, GOT not restarted: 1) (Available only when the GOT is connected to the personal computer with the Ethernet connection.)	Input
project_username	const wchar_t*	Project user name	Input
project_password	const wchar_t*	Project password	Input

(b) Explanation

The function writes the project data where security is set specified with "project_filename" to the GOT drive specified with "got_drive_name".

The project can be authenticated by specifying "project_username" and "project_password".

(c) Return value

Successful completion : "0" is returned.

Error completion : A value other than "0" is returned.

(d) Precautions

The user name and the password are omissible. Arguments other than the user name and the password cannot be omitted. A null character string enters when the user name and the password are omitted.

(3) DT_DownloadEx2()

(a) Format

lResult = DT_DownloadEx2(project_filename, got_drive_name, del, notreboot, project_username=" ", project_password=" ", password);

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
project_filename	const wchar_t*	Project file name (GT Designer3 project/ .GTW/.G1/.GTE)	Input
got_drive_name	const wchar_t*	GOT drive for writing project data	Input
del	long	Setting of deleting all project data in writing (Without deletion: 0, With deletion before write: 1)	Input
notreboot	long	GOT restart setting after the write (GOT restarted: 0, GOT not restarted: 1) (Available only when the GOT is connected to the personal computer with the Ethernet connection.)	Input
project_username	const wchar_t*	Project user name	Input
project_password	const wchar_t*	Project password	Input
password	const wchar_t*	Data transfer/utility password set for the write destination project data (When 1 is specified for "del", this variable is not required.)	Input

(b) Explanation

The function writes the project data where security is set specified with "project_filename" to the GOT drive specified with "got_drive_name".

The project can be authenticated by specifying "project_username" and "project_password".

Specifying "password" can remove the data transfer/utility password security from the write destination project data.

(c) Return value

Successful completion : "0" is returned.

Error completion : A value other than "0" is returned.

(d) Precautions

The user name and the password are omissible. Arguments other than the user name and the password cannot be omitted. A null character string enters when the user name and the password are omitted.

(4) DT_INI_Download()

(a) Format

lResult = DT_INI_Download(INI_filename);

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
INI_filename	const wchar_t*	File name of the INI file that specifies project data to be written	Input

(b) Explanation

The function writes the project data using the INI file specified with "INI_filename".
For the details of the INI file, refer to the following.

☞ 5.3 INI File

(c) Return value

Successful completion : "0" is returned.
Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.

(5) DT_Upload()

(a) Format

lResult = DT_Upload(G1_filename, got_drive_name, password);

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
G1_filename	const wchar_t*	Name of the file that stores the read project data	Input
got_drive_name	const wchar_t*	GOT drive that reads project data	Input
password	const wchar_t*	Data transfer or utility startup password set with GT Designer3/GT Designer2	Input

(b) Explanation

The function reads a project data stored in the GOT drive specified with "got_drive_name" and then stores the data with the file name specified with "G1_filename".

(c) Return value

Successful completion : "0" is returned.
Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.
If a password is not set, specify "NULL" or a null character string for the password.

(6) DT_INI_Upload()

(a) Format

lResult = DT_INI_Upload(INI_filename);

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
INI_filename	const wchar_t*	File name of the INI file that specifies project data to be read	Input

(b) Explanation

The function reads a project data using the INI file specified with "INI_filename".
For the details of the INI file, refer to the following.

☞ 5.3 INI File

(c) Return value

Successful completion : "0" is returned.
Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.

(7) DT_ResourceUp()

(a) Format

lResult = DT_ResourceUp(up_folder, filenames, got_drive_name);

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
up_folder	const wchar_t*	Folder of resource data to be read	Input
filenames	const wchar_t*	File name or path of resource data to be read	Input
got_drive_name	const wchar_t*	GOT drive that reads resource data	Input

(b) Explanation

The function reads the resource data, which is specified with "filenames", stored in the GOT drive specified with "got_drive_name" and then stores the data in the path specified with "up_folder".
For "filenames", multiple file names and paths can be specified by separating each variable with a space.
If "all" is specified for "filenames", all resource data in the specified drive are read.

(c) Return value

Successful completion : "0" is returned.
Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.

(8) DT_INI_ResourceUp()

(a) Format

lResult = DT_INI_ResourceUp(INI_filename);

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
INI_filename	const wchar_t*	File name of the INI file that specifies resource data to be read	Input

(b) Explanation

The function reads the resource data using the INI file specified with "INI_filename".
For the details of the INI file, refer to the following.

☞ 5.3 INI File

(c) Return value

Successful completion : "0" is returned.
Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.

(9) DT_GetDriveInfo()

(a) Format

lResult = DT_GetDriveInfo(INI_filename, got_drive_name);

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
INI_filename	const wchar_t*	File name or path of resource data	Input
got_drive_name	const wchar_t*	GOT drive that reads resource data	Input

(b) Explanation

The function obtains the project information and resource data file information from the GOT drive specified with "got_drive_name" and then stores the data in the INI file specified with "INI_filename".

(c) Return value

Successful completion : "0" is returned.
Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.

(10) DT_CommConfig()

(a) Format

lResult = DT_CommConfig(type, cport, baudrate, ip, port);

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
type	const wchar_t*	Connection method between a personal computer and the GOT (RS232, USB, Ethernet, Modem)	Input
cport	const wchar_t*	RS232 transfer port (COM1 to COM63)	Input
baudrate	const wchar_t*	RS232 transfer speed (9600, 19200, 38400, 57600, 115200)	Input
ip	const wchar_t*	Ethernet IP address	Input
port	const wchar_t*	Ethernet port number (1024 to 65534)	Input

(b) Explanation

The function changes communication settings to the settings specified with "type" for the communication method, "cport" for the RS-232 transfer port, "baudrate" for the transfer speed, "ip" for the Ethernet IP address, and "port" for the port number.

(c) Return value

Successful completion : "0" is returned.
Error completion : A value other than "0" is returned.

(d) Precautions

If an invalid value is specified, an error occurs.
If "NULL" or a null character string is specified, the communication setting does not change.

(11) DT_CommConfigEx()

(a) Format

lResult = DT_CommConfigEx(type, cport, baudrate, ip, port, mport, mbaudrate, databit, parity, stopbit, timeout);

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output
type	const wchar_t*	Connection method between a personal computer and the GOT (RS232, USB, Ethernet, Modem)	Input
cport	const wchar_t*	RS232 transfer port (COM1 to COM63)	Input
baudrate	const wchar_t*	RS232 transfer speed (9600, 19200, 38400, 57600, 115200)	Input
ip	const wchar_t*	Ethernet IP address	Input
port	const wchar_t*	Ethernet port number (1024 to 65534)	Input
mport	const wchar_t*	MODEM transfer port (COM1 to COM63)	Input
mbaudrate	const wchar_t*	MODEM transfer speed (9600, 19200, 38400, 57600, 115200)	Input
databit	const wchar_t*	MODEM databit(8)	Input
parity	const wchar_t*	MODEM parity(Odd, Even, None)	Input
stopbit	const wchar_t*	MODEM stopbit(1, 2)	Input
timeout	const wchar_t*	MODEM timeout(1 to 90)	Input

(b) Explanation

The function changes communication settings to the settings specified with "type" for the communication method, "cport" for the RS-232 transfer port, "baudrate" for the transfer speed, "ip" for the Ethernet IP address, "port" for the port number, "mport" for the MODEM port number, "mbaudrate" for the MODEM transfer speed, “databit” for the MODEM databit, “parity” for MODEM parity, “stopbit” for MODEM stopbit, and “timeout” for MODEM timeout.

(c) Return value

Successful completion : "0" is returned.
Error completion : A value other than "0" is returned.

(d) Precautions

If an invalid value is specified, an error occurs.
If "NULL" or a null character string is specified, the communication setting does not change.

(12) DT_CommTest()

(a) Format

lResult = DT_CommTest();

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output

(b) Explanation

The function executes the communication test.

(c) Return value

Successful completion : "0" is returned.
Error completion : A value other than "0" is returned.

(13) DT_GetLastCommError()

(a) Format

lResult = DT_GetLastCommError();

Variable name	Variable type	Description	I/O
lResult	long	Return value	Output

(b) Explanation

The function obtains the communication error occurred in the previous communication.

(c) Return value

Error in previous communication : The communication error number of the error (error code) is returned.
No error in previous communication : "0" is returned.

(d) Precautions

The communication error is initialized when the next communication is executed.
When the error occurred in the previous communication is any other than a communication error, "0" is returned as a return value.

6.3 Resource Data Conversion Interface Function

The following shows the resource data conversion interface functions to convert the resource data with the user-created application for the GOT1000 series.

Data transfer interface function	Description	Reference
int ConvertFile_ARecipe()	Converts the advanced recipe file.	(1)
int ConvertFile_OPELOG()	Converts the operation log file.	(2)
int ConvertFile_LOGGING()	Converts the logging file.	(3)
int ConvertFile_AAlarm()	Converts the advanced alarm log file.	(4)

(1) ConvertFile_ARecipe()

(a) Format

lReturn = ConvertFile_ARecipe(p_OriginalConversionFile, p_AfterFileType);

Variable name	Variable type	Description	I/O
lReturn	int	Return value	Output
p_OriginalConversionFile	const wchar_t*	Resource data to be converted (absolute path)	Input
p_AfterFileType	const wchar_t*	Extension of the converted file (CSV file: CSV, Unicode Text file: TXT, Binary file: G1P)	Input

(b) Explanation

The function converts the resource data specified with "p_OriginalConversionFile" to the file with the extension specified with "p_AfterFileType" to return the conversion result.

(c) Return value

Successful completion : "0" is returned.

Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.

When converting a Unicode Text file or CSV file to a G1P file, the original G1P file before being converted to the target Unicode Text file or CSV file is required.

Store the original G1P file in the folder with the same path as the Unicode Text file or CSV file of the conversion source file.

(2) ConvertFile_OPELOG()

(a) Format

lReturn = ConvertFile_OPELOG(p_OriginalConversionFile, p_AfterFileType, p_LanguageTypeAfterConvert);

Variable name	Variable type	Description	I/O
lReturn	int	Return value	Output
p_OriginalConversionFile	const wchar_t*	Resource data to be converted (absolute path)	Input
p_AfterFileType	const wchar_t*	Extension of the converted file (CSV file: CSV, Unicode Text file: TXT)	Input
p_LanguageTypeAfterConvert	const wchar_t*	Output language of operation log (The language that can be specified varies according to the type of the converted file.) For CSV Japanese :JPN English :ENG For Unicode Text Japanese :JPN English :ENG Chinese (Simplified) :CHS Chinese (Traditional):CHT Korean :KOR German :GER	Input

(b) Explanation

The function converts the resource data specified with "p_OriginalConversionFile" to the file with the extension specified with "p_AfterFileType" and outputs the language specified with "p_LanguageTypeAfterConvert" to return the conversion result.

(c) Return value

Successful completion : "0" is returned.

Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.

If "NULL" is specified for "p_LanguageTypeAfterConvert", "JPN" (Japanese) is specified.

(3) ConvertFile_LOGGING()

(a) Format

lReturn = ConvertFile_LOGGING(p_OriginalConversionFile, p_AfterFileType);

Variable name	Variable type	Description	I/O
lReturn	int	Return value	Output
p_OriginalConversionFile	const wchar_t*	Resource data to be converted (absolute path)	Input
p_AfterFileType	const wchar_t*	Extension of the converted file (CSV file: CSV, Unicode Text file: TXT)	Input

(b) Explanation

The function converts the resource data specified with "p_OriginalConversionFile" to the file with the extension specified with "p_AfterFileType" to return the conversion result.

(c) Return value

Successful completion : "0" is returned.

Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.

(4) ConvertFile_AAlarm()

(a) Format

lReturn = ConvertFile_AAlarm(p_OriginalConversionFile, p_ProjectFile, p_AfterFileType, p_LanguageTypeAfterConvert, p_GenerationLocation, p_ColumnNoAfterConvert, p_TargetInSamePath, p_ProjectUser, p_ProjectPassword)

Variable name	Variable type	Description	I/O
lReturn	int	Return value	Output
p_OriginalConversionFile	const wchar_t*	Resource data to be converted (absolute path)	Input
p_ProjectFile	const wchar_t*	Project data which is used to create resource data to be converted (absolute path)	Input
p_AfterFileType	const wchar_t*	Extension of the converted file (CSV file: CSV, Unicode Text file: TXT)	Input
p_LanguageTypeAfterConvert	const wchar_t*	Language of the converted file when converting advanced alarm log files (advanced system alarms) (The language which can be specified varies according to the type of the specified converted file.) For CSV Japanese :JPN English :ENG For Unicode Text Japanese :JPN English :ENG Chinese (Simplified) :CHS Chinese (Traditional) :CHT Korean :KOR German :GER	Input

Variable name	Variable type	Description	I/O
p_GenerationLocation	const wchar_t*	Specifies the location where the advanced alarm log file is created. For GOT main unit : GOT For GT SoftGOT1000 (when SoftGOT-GOT link function is used) : SGOTLINK For GT SoftGOT1000 (when SoftGOT-GOT link function is not used) : SGOT For GT Simulator3/GT Simulator2 : GSS	Input
p_ColumnNoAfterConvert	char	Comment column No. which is used to convert an advanced alarm log file (advanced user alarm). (1 to 10)	Input
p_TargetInSamePath	char	Selects whether to specify the resource data in the same path as the resource data to be converted as the conversion target or not. (no: 0, yes: 1)	Input
p_ProjectUser	const wchar_t*	User name set in the project data	Input
p_ProjectPassword	const wchar_t*	Password set in the project data	Input

(b) Explanation

The function converts the resource data specified with "p_OriginalConversionFile" to the file with the extension specified with "p_AfterFileType".

For an advanced system alarm, the function outputs and returns the conversion result in the language specified with "p_LanguageTypeAfterConvert".

For an advanced user alarm, the function outputs and returns the conversion result in the comment No. specified with "p_ColumnNoAfterConvert".

When the conversion target is the resource data in the same path, the conversion log is created on the specified path.

(c) Return value

Successful completion : "0" is returned.

Error completion : A value other than "0" is returned.

(d) Precautions

Arguments must not be omitted.

If "NULL" is specified for "p_LanguageTypeAfterConvert", "JPN" (Japanese) is specified.

When converting an advanced alarm log file, the project data which is used to create the advanced alarm log file is required.

When there is no project data, read one from the GOT.

6.4 Return Value

The following shows the return values and descriptions of the interface function.

(1) Return value of data transfer interface function

Return value	Error and cause	Corrective action
0	The data transfer ends normally.	-
2	The specified drive name, file name, transfer file, user name, and password are invalid due to the following causes. (1) Nonexistent or inaccessible files are specified. (2) The specified path does not exist. (3) The invalid file is specified. (4) The project data is invalid. (5) The user-name or password of the project data is invalid.	Check the specified description.
3	Because system label update/check is not completed, the project data cannot be transmitted.	Please do the update of the label of the system of the project data to be transmitted check with GT Designer3, and put it into the state in which it doesn't make an error of the system label.
4	The specified INI file is invalid due to the following causes. (1) Nonexistent or inaccessible INI file is specified. (2) The specified path does not exist. (3) The "TransData.ini" file in the folder of the data transfer tool sets to read-only.	Check the specified INI file.
5	The specified transfer setting is invalid due to the following causes. (1) The invalid transfer setting (such as GOT drive) is specified. (2) The number of characters set to the password is out of the setting range. GOT1000 series: 9 or more characters (3) The transfer data specification of the INI file is invalid.	Check if the option is specified correctly. Check the specified INI file.
6	The specified data does not exist in the GOT.	Check the data in the GOT and which drive is specified. Check the specified INI file.
7	The function fails to save the file. The storage location has a read-only file.	Check the destination file.
8	The communication setting is invalid due to the following causes. (1) The communication setting file does not exist. (2) The communication setting file is invalid.	Specify the communication setting and then execute the data transfer.
9	Because the data transfer/utility password is not set, the project data cannot be written.	Perform one of the following. • Specify the user name and password in the administrator access level to perform authentication. • Set the data transfer/utility password for the project data on GT Designer3.
21	The communication port is not open due to the following causes. (1) The personal computer is not connected to the GOT properly. (2) The communication setting is incorrect.	Check if the GOT is connected to the personal computer properly and the communication settings are correct.
22	A communication error occurs.	Obtain the error number using the following function and check the error with the list of error messages. GOT1000 series: DT_GetLastCommError() ☞ 8 ERROR MESSAGES FOR DATA TRANSFER
23	The password is incorrect.	Check the password for data transfer or the remote password.
24	The data transfer tool cannot access the specified drive.	Check if the specified drive exists or a memory card is inserted in the specified drive.
40	The data transfer is in progress in the other processes and threads.	Check if the data transfer is not executed in the other processes and threads.
50	When "DtUser.dll" is used, Data Transfer Tool is not installed.	Check if the data transfer tool is installed.

(2) Return value of resource data conversion interface function

Return value	Error and cause	Corrective action
0	The resource data conversion ends normally.	-
1	A CSV or Unicode text file is converted into a G1P file. Since device comments are not included as the conversion target, the comments are not converted.	To convert device comments, a G1P file that includes device comments as the conversion target is required. To create the G1P file that includes device comments as the conversion target, configure the required setting of the advanced recipe function. For the setting method, refer to the following. ☞ GT Designer3 Version1 Screen Design Manual (Functions)
-1	The file cannot be converted because the file is invalid. The file may be damaged.	Check the source file to be converted.
-2	The source file to be converted does not exist in the specified path.	Check if the source file exists in the specified path.
-3	The source file cannot be converted to the file with the specified extension. The specified extension is incorrect.	Check if the source file corresponds to the converted file with the specified extension.
-4	The source language cannot be converted to the specified language. The specified output language is incorrect.	Check the specified output language.
-5	The original G1P file required for the conversion from the CSV or Unicode Text file to a G1P file does not exist in the same path as the source file.	Check if the original G1P file exists in the same path as the source file.
-6	The file required for the conversion of the operation log file or alarm log file does not exist in the install destination folder of the data transfer tool.	Check if the following files exist in the install destination folder of the data transfer tool. GOT1000 series: olConv.G1, olConv.G1D
-7	The "zlib.dll" file or "rc_conv.dll" file does not exist in the install destination folder of Data Transfer.	Check if the "zlib.dll" file or "rc_conv.dll" file exists in the install destination folder of Data Transfer.
-8	The specified project data does not exist or is broken.	Check the specified project data.
-9	The specified user name or password is different from the project data setting, or a password is not specified.	Check the user name and password set in the specified project data.
-10	The specified project data has the following problems. • The required advanced user alarm observation setting does not exist in the project data. • The required comment group setting does not exist in the project data. • The required comment column No. setting does not exist in the project data.	Specify the project data which is used to create an advanced alarm log file data to be converted.
-11	If a file in the same path is the target when the advanced alarm file (advanced user alarm) is converted, there are following problems. • The converted file cannot be written. • The conversion log cannot be created.	Check the writing authority of the specified folder.
-12	The function required for converting the advanced alarm log file (advanced user alarm) is not installed.	Reinstall the Data Transfer.

7 PRECAUTIONS

(1) Project data converted with GT Converter2

Open and save the project data converted with GT Converter2 by using GT Designer3/GT Designer2 and then use the data.

(2) Applicable file format of project data

Only the following file formats are applicable to the data transfer tool. ("******" is an arbitrary string.)
When writing the data, all the files with the applicable file formats in the specified folder is transferred to the GOT.
When reading the data, the files are overwritten if the files in the applicable file formats exist in the folder that the data is read. Therefore, create a new folder first, and then read the data.

(a) GOT1000 series
- GT Designer3 project
- *****.GTW
- *****.GTE
- G1PRJCT.G1 (for example G1PRJCT.G1d, G1STBMP.OUT/G1MESPRJ.MEP/COMM.INI/SETUP.INI)

(b) GOT-A900 series
- *****.GTD
- A9GOTP.GOT (Including *****.A9)

(c) GOT-F900 series
- *****.F1 (Including *****.F1d)

(d) GOT800 series
- A8GOTP.GOT (Including *****.A8)

(3) Difference between the GOT's OS version and the OS version of the data created on GT Designer2

Depending on the GOT to be used, the confirmation message regarding the OS version can be displayed when writing the data.
The following describes the each GOT's operations and troubleshooting.

(a) For GOT1000 series
When the GOT's OS version is different from the OS version of the project data, the project data cannot be written.
Use the GOT's OS with the same version or later version of the project data's OS version, and then write the project data.

Point

Installing the OS for GOT1000 series with the data transfer tool

Copy the OS folder (OS1000) and the setting file (GTD2SYS1000.ini) for GOT1000 series to the folder in which Data Transfer Tool is installed (For example, C:\Program Files (x86)\MELSOFT\DataTransfer Classic).
Even though the confirmation message regarding the OS version is displayed, the project data's OS can be installed when writing the project data.
(The OS version of the project data must be the same or later version of the GOT's OS version.)
For the latest OS for the GOT1000 series, contact your local distributor.

(b) For GOT-A900 series, GOT800 series
When the GOT's OS version is different from the OS version of the monitor data, a message is displayed.
The monitor data can be kept writing. However, the GOT's OS version should be the same or later version of the monitor data's OS version.

(c) For GOT-F900 series
Checking the OS version is not executed.
The monitor data can be kept writing. However, updating the GOT's OS to the latest version is recommended.

(4) Precautions during communication

(a) The data cannot be transferred with GT Designer3/GT Designer2 during the data transferring with the data transfer tool.

(b) When the ROM BIOS version on the GOT800 series is 5.2.0[S] or earlier, set the transmission speed to 19200 bps and execute the communication.

(5) Precautions for using command line and interface function

(a) If a file, whose file name is the same as the file to be transferred, exists in the destination of the data to be transferred, the file is overwritten.

(b) Edit the INI file by using software such as a text editor.

(c) Data cannot be transferred from multiple threads and processes.

(d) If a file name for a resource data includes a space, the resource data cannot be read with the file name specified.
When reading the resource data, specify "all".

(e) If nonexistent data (such as a screen number for nonexistent screen) are specified in an INI file for transferring INI file data, the only existing project data of the INI file is transferred.

(6) Transferring project data with security

To transfer the project data with the project security by using GT Designer3 Version 1.45X or later, use the following version of Data Transfer Tool and the standard monitor OS in the GOT.

Software, OS	Version
Data transfer tool	2.15R or later
Standard monitor OS	Models other than GT10: 05.37.00 or later GT10: 01.26.00 or later

If a version older than the above is used, the project data cannot be transferred successfully.

(7) Transferring data while the FA transparent function is used

While the controller programming software communicates with a controller by using the FA transparent function, transferring data may not be available.
To transfer data, make sure that the FA transparent function is not in use.

8 ERROR MESSAGES FOR DATA TRANSFER

The following shows the error messages displayed when transferring the data.

8.1 GOT1000 Series

(1) Communication setting

Error No.	Error message	Error and cause	Corrective action
-	Invalid communication port is using.	The communication port is not set.	Set the port that connected the communication cable to the GOT for [Port No.] in the [Communication configuration] dialog box.

(2) GOT Write

Error No.	Error message	Error and cause	Corrective action
00000133	GOT Type error occurred.	The GOT type is different from the GOT type set in the project data.	Select the same GOT type as the GOT connected to the PC, and write the transfer data again.
00000136	The OS version of the current software and the one of the GOT are different. The OS version of GOT: xx The OS version of the software: xx The project data/special data cannot be written if OS versions are different. *OS write cannot be performed via Modem. Perform OS write via Standard CF Card or USB/RS232/Ethernet.	The OS version of the GT Designer3 where the project data was created and the OS version written in the GOT differ.	• When the project data is written via modem, install the OS of the latest version on the GOT, and then write the project data. • Write the project data via USB, RS232, or Ethernet. When the project data is written via modem, the OS is not installed simultaneously.
801f4107	GOT Memory does not have enough space.	The transfer data cannot be written because the capacity of the written data storage drive is insufficient.	Select [Drive Information] of [Read Data] in the [GOT Read] tab, and then click the [Info Reception] button to check the GOT information written to the GOT. Delete the functions and data written to the GOT, and write the data again. When [C:Built-in Flash Memory] is specified as the write destination on the GT16, GT15, GT14, or GT12, and the memory card is installed in the GOT, the project data write destination can be changed to [A:Standard CF Card] ([A:Standard SD Card] for the GT14).
-	GOT does not operate properly due to the capacity shortage of GOT RAM. Take one of the following measures. - Increase expansion memory - Reduce the project data size - Delete unnecessary special data - Adjust the buffering area size - Delete unnecessary OS data Would you like to proceed with the writing of the project, special data, and OS?	Though the write destination drive has enough space, the built-in memory and add-on memory of the GOT do not have enough space. Therefore, the written project data may not operate correctly.	Change the project data's capacity or the buffering capacity to a smaller capacity. The capacity of the option function board with add-on memory can also be changed to a larger capacity.

Error No.	Error message	Error and cause	Corrective action
-	The project data cannot be transferred since System Label Update/Check is not completed.	Update of the label of the system of the project data to be transmitted/check is not completed.	Please do the update of the label of the system of the project data to be transmitted check with GT Designer3, and put it into the state in which it doesn't make an error of the system label.

(3) GOT Read

Error No.	Error message	Error and cause	Corrective action
801f4101	Password Error occurred.	The entered password is incorrect.	Enter the correct password, and read the project data again.
-	The specified drive, folder and file names are incorrect. Please check the following : • The specified drive does not exist. • A reserved word is used for the folder and file names. • Incorrect characters are used for the folder and file names.	The invalid drive, folder name, or file name is specified.	Check the following for the specified drive, folder name, or file name. • Check if the specified drive exists. • Check if reserved words for GOT are not used in the folder name or file name. • Check if prohibited characters for Windows are not used in the folder name or file name.

(4) GOT Read (Resource data)

Error No.	Error message	Error and cause	Corrective action
80100005	The file in the p.c. cannot be written.	The file cannot be written into the drive on the PC because of any of the following causes. (1) The target drive is unwritable. (2) The target drive has insufficient free space.	Check the following. (1) Check if the target drive is writable. (2) Check if the target drive has enough free space.

(5) Communication

Error No.	Error message	Error and cause	Corrective action
00000134	Standard monitor OS is not written. Write Standard monitor OS.	Because only the Boot OS is installed on the GOT, the communications, excluding the OS install, cannot be executed.	Install the standard monitor OS.
00000135	The possible causes are shown below. (1) The GOT is in processing Wait for 60 seconds and retry. (2) GOT Type does not match Check if connected GOT Type matches. (3) Connection setting does not match. Check if the communication setting of each controller matches.	The communication cannot be executed because of the following causes. (1) The communication cannot be executed because the GOT extecutes processing. (2) The GOT type set in the data transfer tool is different from the GOT currently connected to the PC. (3) The modem setting is incorrect.	(1) The GOT takes 60 seconds to terminate the processing. After 60 seconds, execute the communication again. When the communication cannot be executed even after 60 seconds, check the GOT's status. (2) Check if the GOT connected to the PC is the same as the GOT type set in the data transfer tool. (3) Check if the modem setting is set correctly.
80110003	Please check Communication Port.	The setting for the communication port is incorrect.	Set the port that connected the communication cable to the GOT for [Port No.] in the [Communication configuration] dialog box.

Error No.	Error message	Error and cause	Corrective action
80110004	Time out error.	The cable is unplugged or disconnected.	• Check if the cable is connected correctly.
		The GOT does not respond.	• Check if the GOT is powered on. • Execute the I/O check with the utility function of the GOT. • When using the USB cable, remove the USB cable from the GOT for five seconds or more. • When using the USB cable, power off the GOT and then power on the GOT again.
		Because the communication with the GOT is unstable, the communication error occurs.	For the RS-232 communication, set a value lower than the currently specified value for [Baudrate] in the [Communication configuration] dialog box.
80110006	The GOT is being accessed by another application.	Because the GOT communicates with the other applications, the communication cannot be executed.	Check if the GOT does not communicate with the other applications. When using GX Developer, check if the screen for monitoring is not open. If the screen is open, close the screen or stop monitoring.
80110007	Quality of communication signal error. Please check communication settings.	Because the communication with the GOT is unstable, the communication error occurs.	For the RS-232 communication, set a value lower than the currently specified value for [Baudrate] in the [Communication configuration] dialog box.
80110008	Please check Baud rate.	The setting for the transmission speed is incorrect.	Set a value for [Baudrate] again in the [Communication configuration] dialog box.
80110009	Send error.	The data cannot be sent to the GOT.	• When using the USB cable, remove the USB cable from the GOT for five seconds or more. • Power off the GOT, and then power on the GOT again.
80112001 80112202 80112005 80112208 801f4100	Communication error Consider the following cause. • The communication port settings are incorrect. • The cable is disconnected or broken. • The GOT is Powered OFF. • The communication setting of each controller is incorrect. • Dialog Window is displayed in GOT.	The cable is unplugged or disconnected.	• Check the setting for the communication port. • Check if the cable is connected correctly.
		The GOT does not respond.	• Check if the GOT is powered on. • Execute the I/O check with the utility function of the GOT.
		When the GOT is connected via a modem, GOT Modem Connection Tool is not active.	• Start GOT Modem Connection Tool, and then establish the communication between the personal computer and the modem.
		Communication fails because the dialog window is displayed on the GOT.	• Close the dialog window on the GOT.
		The cable is unplugged or disconnected during the communication.	• Check if the USB cable is connected correctly.
		The GOT does not respond.	• Check if the GOT is powered on.
-	The following Drive is not inserted. X:XXXXXX Please check the installation of Drive.	The specified drive cannot be accessed.	Check if the specified drive is installed on the GOT.

Error No.	Error message	Error and cause	Corrective action
80112401	Unable to communicate with GOT via Ethernet. The possible causes are shown below. (1) Standard monitor OS is not written in the GOT (2) The Standard monitor OS does not support Ethernet Download function (3) The GOT is not turned on (4) Communication Settings are not properly set (5) GOT IP address is not properly set (6) Incorrect wiring *OS write cannot be performed via Modem. Perform OS write via Standard CF Card or USB/RS232/Ethernet.	The communication with the GOT via the Ethernet cannot be executed because of one of the following causes. (1) The standard monitor OS is not installed on the GOT. (2) The standard monitor OS of the GOT does not support the Ethernet download function. (3) The GOT is not powered on. (4) The communication setting is not set correctly. (5) The GOT IP address is not set correctly. (6) The wiring is incorrect.	Check the following. (1) Check if the standard monitor OS is installed on the GOT. (2) Check if the standard monitor OS of the GOT supports the Ethernet download function. (3) Check if the GOT is powered on. (4) Check if the communication setting is set correctly. (5) Check if the GOT IP address is set correctly. (6) Check if the wiring is correct.
80112402	An error has occurred, the GOT and PC cannot communicate via Ethernet. Following causes can be considered. (1) GOT is communicating with another PC. (2) GOT IP Address is incorrect. (3) GOT Port No. is incorrect.	The communication with the GOT via the Ethernet cannot be executed because of one of the following causes. (1) The GOT communicates with the other PCs. (2) The GOT IP address is not set correctly. (3) The GOT port No. is not set correctly.	Check the following. (1) Check if the GOT does not communicate with the other PCs. (2) Check if the GOT IP address is set correctly. (3) Check if the GOT port No. is set correctly.
80112405	Please check if both GOT and PC are properly connected together via Ethernet cabling.	The communication cannot be executed because the GOT is not connected to the network correctly.	Check if the GOT is connected to the network correctly.
80112406	An error has occurred, the GOT and PC cannot communicate via Ethernet. Following causes can be considered. (1) GOT is communicating by USB or RS232. (2) The GOT is Powered OFF.	The communication cannot be executed because the GOT communicates via the USB or RS232, or the GOT is powered off.	Check if the GOT communicates via the USB or RS232. Check if the GOT is powered off.
801f42c4	GOT restricts the communication with Ethernet. Unable to communicate with GOT via Ethernet.	Communication via Ethernet fails because the GOT restricts the communication via Ethernet.	Establish communication by either of the following methods. Enable communication of the GOT with Ethernet.(GS454) ☞ GT Designer3 Version1 Screen Dessign Manual (Fundamentals) Establish communication by other method than Ethernet.
801f42c5	Communication error	Because the version of Data Transfer Tool is old, the software does not support the functions set for the project data.	Use version 2.15R or later of Data Transfer Tool.

- When errors cannot be solved with the above corrective actions or the causes of errors cannot be identified, please consult your local Mitsubishi representative.

8.2 GOT900 Series, GOT800 Series

(1) Communication

Error No.	Error message	Error and cause	Corrective action
0008 to 0014	Please make sure of communication.	The transfer data communicated with the GOT have errors.	Check the cable.
0015	Please make sure of transferring data size.	Because the GOT's built-in memory capacity became insufficient during writing, the data cannot be written	Check the GOT information written to the GOT by clicking the [Info Reception] button in the [Memory information] tab, and then write the data again.
0257	File write error	Because the read data storage capacity is insufficient, the transfer data cannot be read.	Specify the storage location with an enough capacity as the read data storage.
0259	Timeout error	The cable is unplugged. The cable is disconnected.	Check the cable.
		The GOT does not respond.	Check if the GOT is powered on.
		Because the communication with the GOT is unstable, the communication error occurs.	Set a value lower than the currently specified value for [Baudrate] in the Communication configuration tab.
0260	Port open error	The invalid communication port is set.	Set the port that connected the communication cable to the GOT for [Port No.] in the Communication configuration tab.
0263	Receive error	The data cannot be received from the GOT. The received data from the GOT have errors.	Check the cable.
0264	Send error	The data cannot be sent to the GOT.	Check the cable.
0270	Transfer size error	Because the capacity of the written data storage drive is insufficient, the transfer data cannot be written.	Check the GOT information written to the GOT by clicking the [Info Reception] button in the [Memory information] tab, and then write the data again..
0285	Password Error	The entered password is incorrect.	Enter the correct password.
0289	GOT type error	The PC communicates with GOTs other than the GOT-A900 series on the data transfer tool for GOT-A900 series.	Select the same GOT type as the GOT connected to the PC.
		The PC communicates with GOTs other than the GOT-F900 series on the data transfer tool for GOT-F900 series.	
-	The specified drive, folder and file names are incorrect. Please check the following : (1) The specified drive does not exist. (2) A reserved word is used for the folder and file names. (3) Incorrect characters are used for the folder and file names.	The invalid drive, folder name, or file name is specified.	Check the following for the specified drive, folder name, or file name. (1) Check if the specified drive does not exist. (2) Check if reserved words for GOT are used in the folder name or file name. (3) Check if prohibited characters for Windows are used in the folder name or file name.
-	Invalid communication port is using.	The communication port is not set.	Set the port that connected the communication cable to the GOT for [Port No.] in the [Communication configuration] dialog box.

- When errors cannot be solved with the above corrective actions or the causes of errors cannot be identified, please consult your local Mitsubishi representative.

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