World-Class PLC Engineering Software
Mitsubishi FA Integrated Concept
iQ Platform Compatible
Programmable Controller Engineering Software
MELSOFT GX Works2
World-Class
PLC Engineering
Software

Ultimate evolution of PLC engineering software

Now an easy-to-use engineering software is no surprise. In addition to its sophisticated usability, the engineering software GX Works2 deploys the global mainstream concepts of "segmenting" and "structuring" for fundamental improvement of programming efficiency. The world-standard engineering style begins with GX Works2.
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Ultimate evolution of PLC engineering software
All-in-one package

All capabilities required for PLC engineering including the configuration function of the intelligent function module and simulation function are integrated in a single package. The all-in-one GX Works2 package supports entire engineering such as system design, programming, debug and maintenance.

Make full use of MELSEC

GX Works2 enables you to easily make a full use of high-function and high-performance CPUs and modules. When new modules or functions came up, the update data is readily available from your local Mitsubishi representative to keep GX Works2 up-to-date.

Inherits customer assets

Your legacy GX Developer programs can be used in GX Works2 without any modification. Also, programs written by GX Works2 to the programmable controller can be read using GX Developer. For example, even if GX Developer is installed in the production site’s PC, the data created and read with GX Developer can be used with GX Works2 installed in the development office’s PC.

Sophisticated usability

GX Works2 has further improved favorable functions of GX Developer. GX Works2 has also improved performance and each function now responds more quickly.

IEC61131-3 compliant

GX Works2 conforms to the global engineering tool standard IEC61131-3 and supports segmented and structured programming defined by this standard. The languages including SFC, ST(structured text), and ladder can be freely chosen and used in the mix according to the situation and purpose.
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INDEX

<table>
<thead>
<tr>
<th>Improving Design and Debug Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ladder Input .................................. P.7</td>
</tr>
<tr>
<td>Comment ........................................ P.11</td>
</tr>
<tr>
<td>Parameter Setting ............................ P.13</td>
</tr>
<tr>
<td>Debugging ...................................... P.15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reducing Maintenance Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation and Maintenance .... P.17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Facilitating Project Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project ................................. P.21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Promoting Program Standardization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label Programming/Structured Programming .... P.25</td>
</tr>
<tr>
<td>Segmentation of Program (FB: Function Block) .... P.27</td>
</tr>
<tr>
<td>Interaction with iQ Works ........... P.31</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Protecting Customer Assets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Security .......................... P.33</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specifications/Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>.................................. P.35</td>
</tr>
</tbody>
</table>
**Ultimate "Easy-to-use" user interface**

The programming tool of GX Works2 is designed for ease-of-use and can program with intuitive operations. Its comfortable operation environment further improves design efficiency.

- Incorporate a useful setting function from GX Configurator
- Utilize sample comment to save time inputting comments
- Distinguish similar devices without bother
- Enhancing program readability with wrapping ladder block function
- Setting connection destinations between multiple settings
- Offline debugging without PLC
- Ladder display offers much greater visibility
- Tree view offers easy-to-understand processing flow
- Program title display guides you
- Docking windows allow for efficient use of the screen
- Direct writing of operation processing in ladder with inline structured text
- Cross Reference interacts with ladder display
- Detailed project security management
- Watch windows for quick monitoring of device/label
- Help information guides you operation method with a single key stroke

The programming tool of GX Works2 is designed for ease-of-use and can program with intuitive operations. Its comfortable operation environment further improves design efficiency.
Incorporate a useful setting function from GX Configurator. Distinguish similar devices without bother. Utilizing sample comments saves time to input comments. Enhancing program readability with wrapping ladder block function. Tree view offers easy-to-understand processing flow. Ladder display offers much greater visibility. Tab window
Switching between the program editor and parameter setting screen can be easily operated using "tabs".


Direct writing of operation processing in ladder with inline structured text. Watch windows for quick monitoring of device/label. Easy continuous device search with familiar-to-use operation.

Summary: The image shows various features of a programming tool, including tab windows, help information, program title display, setting connection destinations, offline debugging, cross reference, detailed project security management, watch windows, and docking windows.
## Ladder Input

### 1 Simple key operation makes an easy ladder creation

A ladder can be easily modified and edited with convenient key combinations such as [Alt]+[→][→] or [Alt]+[↑][↓].

![Ladder Creation](image)

### 2 Ladder display offers much greater visibility

A greater number of contacts than ever can be displayed in a single line with fewer wrapping, improving visibility of ladders.

![Ladder Visibility](image)

**POINT** The number of contacts displayed in a single line can be changed to 9, 11, 13, 17 or 21.

### 3 Edit lines with simple key operation

Lines can be edited only with the keyboard keys.

![Edit Lines](image)

- **Press** ↓ + ↑ to draw a line.
  - (Press ↓ + → + ↑ to draw a line to the coil consecutively.)

- **Edit line**
  - You are no longer required to switch to Edit Line mode.
  - Press [Ctrl] + [→] where no line is drawn to draw a line.
  - Press [Ctrl] + [↑] where a line is drawn to delete the line.
**4 Easy ladder edit with command/label input support function**

Ladders can be easily edited just by choosing from candidates of instructions and labels. The information of arguments are also shown to reduce errors during ladder input.

- **Explanation of candidate**
  The details of each instruction can be understood at a glance from explanation of each candidate.

- **Explanation of argument type**
  Explanations of arguments are also displayed so that a ladder can be edited without any help.

- **Automatic display of candidates**
  Just enter the first character of an instruction to display the instruction candidate list. You do not need to remember all instructions any more.

- **Explanation of label**
  Candidates for a label are also given so that a ladder can be edited without remembering all labels.

**POINT**
This function saves time to display and confirm help information during command input. Pressing the [F1] key displays the instruction help screen.

**5 Easy continuous device search with familiar-to-use operation**

By specifying the search option, you can continuously search for the candidates by pressing the Enter key. This is particularly useful when a specified device is used many times in the program.

- **Search for a label**
  Search for a label can be conducted by partially entering it.

- **Continuous search**
  By specifying the option and pressing the Enter key, search for the specified device can be made continuously.

- **Pressing [F1] + [F] searches for the first "Auto" candidate.**

- **Pressing Enter key searches for the next "Auto" candidates. (Cursor moves to it.)**

**POINT**
Search for devices can also be made in the similar manner by switching the ladder display to the device display.
6 Cross Reference interacts with ladder display

Cross Reference function is used to search for devices/labels used in the project. The docking windows enable to display the Cross Reference window and program editor vertically.

- Automatically displays the Cross Reference information of the device at the cursor position.
- Jump to another step using this device/label can be made by double-clicking it.

POINTER

The used locations of devices or labels in the program can be confirmed with intuitive operation.

7 Direct writing of operation processing in ladder with inline structured text

Operation processing can be written directly in a ladder. Creation of a multi-line ladder or FB(Function Block) in another program editor is not necessary anymore.

Example of numeric operation
[Using ladder only]

Example of character string processing
[Using ladder only]

[Using Inline ST(structured text)]

ST edit area
The current value can be monitored and changed.

Described program in just one line using Inline ST!

POINTER

Troublesome numeric operations and character string processing can be described easily.
8 Enhancing program readability with wrapping ladder block function

By wrapping a ladder block, a long and hard-to-read ladder program can be displayed in a compact form.

Right-click and select "Non-Display Ladder Block" from the menu to hide the ladder block.

Right-click and select "Display Ladder Block" from the menu to display the hidden ladder block.

Hiding Ladder Block
Ladder blocks can be hidden.

9 Easier to view SFC diagram and Zoom

The scale of the window can be changed to display the SFC diagram and Zoom.
Since the changed scale can be retained, the windows can be always displayed with the same layout.

How to display can be specified by selecting the SFC diagram and Zoom.

The displaying scale can be selected to the SFC diagram and Zoom. (Common to all blocks)
Comment

1 Utilizing sample comment saves time to input comments

Sample comments are provided for the special relays/registers of the CPU as well as the buffer memory/XY signal of the intelligent function module. They can be copied as comments for the project and you do not need to enter them from scratch.

![Diagram showing how to utilize sample comments]

**Point**
Time for entering device comments can be greatly saved by utilizing sample comments.

2 Distinguish similar devices without bother

A comment can be set for each bit of a word device and displayed on the ladder.

![Diagram showing example of comments on a ladder diagram]

**Point**
When a comment for each bit does not created, a comment created for the word device is displayed.
3 Utilize device comments created in other languages

Japanese, Chinese (Simplified and Traditional), and Korean comments can be displayed in GX Works2 English Edition for seamless interoperation with international sites.
Parameter Setting

1. Incorporate a useful setting function from GX Configurator

The setting function of the intelligent function module is now integrated with GX Works2. The intelligent function module settings can be managed in a GX Works2 project.

Add new module screen

- Module is added to the project tree.
- Also reflected on the I/O assignment parameters.
- Explanation of item is shown as guidance.

2. Automatically calculates device assignment of CC-Link

An equipment configuration diagram can be created by arranging illustrations with the mouse on the CC-Link Configuration window. Devices are assigned automatically and listed in an easy-to-view manner.

The device assignment information can be exported to a CSV file and then imported into the global label information, making it easy to utilize the information in label programming.
3 Easy connection to serial communication device

Using the predefined protocol function of GX Works2, connection to a device you want to communicate with can be quickly made just by choosing it from the predefined protocol library. Even if the external devices are not registered in the predefined protocol library, the desired protocol can be easily created.

Connection can be made to an equipment to communicate with just by choosing it.

The communication protocol can be easily created.

The line data, communication signals, and status monitor can be confirmed even if you do not have a line analyzer, making the debugging process easier.

The line data flowing through the communication line can be saved in the data area of the module. No equipment (e.g., line analyzer) is required.

Data including the executed protocol name, start/completion date/time, and execution result can be saved in the buffer memory of the module as history.

Circuit Trace

Protocol Executing Log

POINT Circuit trace function gives you a clear view of sent/received data.
Debugging

1 Offline debugging without PLC

The simulation function is now integrated with GX Works2. The program operation can be easily checked on a personal computer.

![Image of a PC and PLC showing debugging and monitoring](image1)

**POINT**

Up to 4 GX Works2 projects can be simulated concurrently on a single PC.

2 Simulation function provides sophisticated program debugging

A program can be executed in a step-by-step method using the simulation function, finding program errors more easily.

![Image of GX Works2 software showing debugging options](image2)

3 Watch windows for quick monitoring of device/label

Arbitrary devices/labels can be registered to monitor, saving time for debugging. Devices/labels can be registered onto the watch window by right-clicking them on a ladder editor and selecting “Register Watch” or by dragging and dropping them, enabling smoother monitoring.

![Image of GX Works2 software showing watch windows](image3)

**POINT**

The current value of the device/label can be changed from the watch window.
4 Easier-to-use sampling trace

A device value can be monitored according to a specified condition, and sample values before and after the condition is satisfied can be displayed in a timing chart. Since word devices can be displayed in the trend graph, the device value changes can be viewed easily.

- Track of device changes can be easily kept by saving trace results in a CSV file.
- ON/OFF switching of bit devices can be checked in the chart.
- Devices/labels can be easily registered.
- Values of devices/labels at the time at the cursor location can be listed.
- Changes of word devices can be checked with the trend graph.

POINT The sampling trace can be also used in the simulation function.

5 Visible positioning trace function

Status of the speed command (axis speed), two-axis interpolation, and simultaneous start (two axes) are traced and displayed in a graph. The value of each axis can be visually checked during the online operation of the positioning module.

Trace function screen (Wave trace) Trace function screen (Location trace)
Operation and Maintenance

Improved verification function

Verify data of an open project against data of saved project to display the result in an easy-to-view format. The parameters and the programs in the PLC connected to a personal computer also can be verified against the data of an open project.

POINT
The verification result can be saved to a CSV file to facilitate revision of design documents.
2 Prevent edit error by Read and Monitor modes

Erroneous operations in monitoring and searching are eliminated by supporting the Read and Monitor modes similar to GX Developer.

- **Write mode/monitor (write mode)**
  Enter Symbol screen opens by pressing Enter key.

- **Read mode/monitor mode**
  Find screen opens by pressing Enter key.

**POINT**
The same key operation as GX Developer can be used to switch modes.

3 Easy-to-see monitor for intelligent function module

While watching the ladder program, the buffer memory of the intelligent function module can be monitored in the docking window.

Since the name of each address in the buffer memory is displayed, it is unnecessary to refer to the manual to see for what the buffer memory is used.

If there are multiple modules to monitor, they can be switched to display by using tabs.

**Show the current values in an easy-to-view format.**
Visible System monitor function and PLC diagnostics

Operation status of the entire programmable controller system is clearly displayed. Faulty modules can be diagnosed and the detailed information can be displayed for the entire system, allowing for quick troubleshooting of errors.

- **Remote operation can be performed for the programmable controller CPU.**
- **Module's detailed information**
  - Display the status of the entire network visually so that a line trouble and module error can be quickly found. Also, system monitoring of the PLC at another station can be started via network.
- **PLC diagnostics**
  - Error history of PLC can be quickly checked to respond to a failure immediately. Also remote operation can be performed onto the programmable controller CPU to reset it or format its memory.
- **Network diagnostics**
  - Error history of PLC and intelligent function module can be viewed in time series.
- **Module error history collection function**
  - Error history of PLC and intelligent function module can be viewed in time series.
- **Module's detailed information**
  - Display the module status, error details, and solution for the error. Immediate response can be made to a module failure.

**POINT**

The system can be diagnosed on a graphical screen which gives a feeling as if you are watching actual system and equipment.
5 Rich print functions

Items to print can be specified in details. Also, multiple programs can be printed in a single operation.

Necessary information in detail can be easily printed just by selecting print conditions.

POINT The print range, contact coil usage, Device list, and Cross reference information also can be printed.
Project

1. Back up and restore a project easily

By registering project revision history, the project can be recovered easily. Comparisons between projects registered in the history can be made.

**POINT**

It is unnecessary to save projects under different names for back up.

2. Program title display guides you

In addition to the program name, the program title is displayed, allowing the program contents to be understood at a glance.

**POINT**

While the program name is limited to eight characters, up to 32 characters can be entered for the title as supplementary information.
3 Tree view offers easy-to-understand processing flow

The statements appended to program processes can be displayed on a tree view for easy access to them. The processing flow and structure of the program can be easily understood and jump to each process quickly.

- Check "Display in Navigation Window".
- Display the statement on a tree view.

4 Handling multiple program parts with FX series CPU

Multiple ladder programs can be added as program parts. By setting a label per program part creates highly independent program parts.

- Programs are linked in the specified order and written to the PLC as a single program.
- Supported by FX1S, FX1N, FX1NC, FX2N, FX2NC, FX3G, FX3U, FX3UC series PLCs.
5 Docking windows allow for making efficient use of the screen

The docking windows can be hidden to use the screen efficiently.

6 Setting connection destinations between multiple settings

Frequently used multiple connection destinations can be set and switched between them according to the use scenario. It is unnecessary to save projects for different connection targets.

The connection destinations can be set from the Navigation window.
7 Customize keyboard key arrangement

Key customization allows you to arrange keys as you like. Key customization can be saved in a file and reused.

Any functions can be assigned to the shortcut keys.

F5 and F6 keys are far and difficult to use.

Change from \( \text{F5} \) to \( \text{A} \) and from \( \text{F6} \) to \( \text{B} \).

A

B

Open Contact

Close Contact

POINT Keys can be assigned to menu items with no shortcut keys assigned but used frequently.

8 Help information guides you operation method with a single keystroke

Displaying Help information makes it easier to confirm the operation.

Display the help screen by pressing \( \text{F1} \) key.

Various help information can be displayed in the Help window.

- CPU Error Help
- Special Relay/Register Help
- Changes from GX Developer Help
- Instruction Help
- Operating manual

POINT Frequently used help screens can be bookmarked.
Label Programming/Structured Programming

1 Structured programming

[From a roll of ladder program to structured programming]
By using a Structured project in GX Works2, a large and complicated program can be structured and segmented according to the processing details, control details, and functionalities.
A "roll" of ladder program tends to be difficult to view the entire processing. On the contrary, by designing a compact program module for each process in structured programming, coding and debugging will be more efficient and the program quality will be also improved.
It also supports complicated structured programming by allowing for a nesting structure which puts a FB in another FB.

2 Supports IEC61131-3 standard languages

GX Works2 supports languages specified by the IEC61131-3 standard.

Graphical language

[Ladder language]
This graphical language represents a program as a ladder which consists of contact points and coils, and is used in the same manner as conventional GX Developer.

[Structured ladder/FBD language]
The structured ladder language is a graphical language used according to the design technique of the relay circuit. The structured ladder allows for nesting FBs. The FBD language graphically represents a ladder by connecting functions and/or FBs.
**3 Improve development efficiency using user libraries**

For structured projects of GX Works2, frequently-used programs and FBs can be saved in user library files separately from the project. By utilizing the user library files into a new project, it is unnecessary to create the same program from scratch, and therefore improve program development efficiency.

**4 Device-unconscious programming**

It is not easy to guess device usage from a device name such as "Y10" or "M0". As the program grows, the number of device types and devices are increased and it will be necessary to program by checking the device assignment with the system specifications, resulting in lower efficiency. Using labels, a self-explaining name such as "Production line start signal" or "Start parts supply" can be given to each device to improve programming efficiency as well as prevent input errors.

**POINT** Using labels eliminates device assignment upon system changes.
Make it easy using FB

FB stands for "Function Block" and is a ladder block frequently used in a sequence program and segmented as a part for reuse within the program. FB improves program development efficiency and reduces programming errors to ensure higher program quality.

What is program segmentation?

The following describes the segmentation flow:

Example) This program turns on the output signal (Y12) after the input signal (X1) turns on for 12 times.

1. Program to segment as a part
2. Separate input and output. Also, replace the internal devices with internal labels.
3. Make them FB
4. Attach FB to program

Advantage 1 of using FB: Easier programming

A sequence program can be created just by dragging and dropping FBs. This significantly reduces program development processes.
[Advantage 2 of using FB: Improved readability]
Using FBs in a sequence program improves its readability because the program only consists of "boxes" (FBs), inputs, and outputs.

[Advantage 3 of using FB: Reusability]
By segmenting standard programs as parts, they can be reused as many times as required. You are no longer required to copy an existing program and then modify devices.

[Advantage 4 of using FB: Higher quality]
By segmenting standard programs as parts (FBs) and reusing them, program quality will be uniform and independent from the skill levels of the developers.

While the developer A and developer B use sequence programs for different equipments, they use the same FB for common processes and the resulting sequence programs will be at the same quality.

[Advantage 5 of using FB: Asset preservation]
By segmenting an important sequence program involving technology expertise as a part (FB) and protecting it with a password, it will be protected from leakage.
Useful FB libraries supplied by vendors

In addition to the custom FBs, useful FB libraries supplied by our partners are available. For the acquisition of FB libraries, please contact your local Mitsubishi representative.

[What is FB library?]

An FB library is a collection of FB parts which can be used in simple projects of GX Works2. By using these FBs, settings and operation of the MELSEC-Q/L modules as well as partner products can be configured.

When how to use an FB is not certain, right-click it on the FB Selection Window to display the help information.
Implement a seamless engineering environment

MELSOFT iQ Works is an integrated engineering software product, composing of GX Works2, MT Works2, GT Works3, and RT ToolBox2. By sharing information such as system designs and programming as the entire control system, the system design and programming efficiency are improved and total cost reduction is achieved.

[MELSOFT Navigator]

In combination with GX Works2, MT Works2, GT Works3, and RT ToolBox2, this software performs upstream system design and inter-software operation.

It provides such convenient functions as system configuration design, batch setting of parameters, system labeling, and batch reading.

- Workspace management
Multiple project data (programmable controller projects, motion controller projects, GOT projects, and robot controller projects) can be managed totally using a workspace.

- System configuration diagram
Graphically represents the entire system as "network configuration" + "multi module configuration" + "CC-Link configuration".

The diagram can be easily created by dragging and dropping the modules, and various checks such as power supply capacity check are also performed.

- System label
To reduce processes and prevent setting errors, the system labels are centrally defined and shared among all the projects.
Parameter settings for individual tools are no longer required

After finishing parameter setting for one system, another parameter setting for another system is waiting for you ...

Parameter settings for multiple systems are particularly troublesome when implementing a program. MELSOFT Navigator reflects information defined in the system configuration diagram on all the projects in GX Works2, MT Works2 and GT Works3. You no longer need to launch each software and check for integrity. *1

*1 You are still required to set detailed parameters in each tool.

3 Shares labels and automatically changes all related projects

Previously, when device assignment was changed, it was necessary to repeat the same modification work for the number of projects for all equipments. MELSOFT Navigator eliminates such repetition by allowing the PLC, motion controller, and GOT to share the labels. For example, when device assignment is changed in a PLC project, the change is automatically reflected on the motion controller and GOT projects. This greatly reduces the time required for setting as well as setting errors.
Security

Detailed project security management

Project safety can be maintained by limiting user access for each program and parameter.

[User registration (addition, change, and deletion)]
The access level can be managed for each user.

[Access restriction]
Setting security not only restricts an access to projects but also prevents the data created by the user from erroneous modification and/or disclosure to unauthorized users.

POINT
When multiple persons take charge in the same project, unauthorized changes to the project data can be prevented.
2 Protects the program

[Password registration]
By setting a password for a program in the programmable controller CPU, the program can be protected from unauthorized change and leakage.

[Block password setting]
By setting a block password, the FBs within a project which contains in-house software expertise can be protected from theft and leakage.

3 Prevents unauthorized access
By setting a remote password, an unauthorized access from a remote site via Ethernet or a public line can be prevented.
### Operating Environment

<table>
<thead>
<tr>
<th>Item</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDD available capacity</td>
<td>When installing GX Works2: HDD available capacity is 2.5GB or more.</td>
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<tr>
<td>Resolution</td>
<td>Resolution 1024 x 768 pixels or higher</td>
</tr>
<tr>
<td>Recommended memory</td>
<td>Recommended 1GB or more</td>
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<tr>
<td>CD-ROM supported drive</td>
<td>All types</td>
</tr>
<tr>
<td>OS</td>
<td>Intel, Model code</td>
</tr>
<tr>
<td>处理器</td>
<td>SH-080984ENG</td>
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<tr>
<td>Personal computer</td>
<td>All types</td>
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<tr>
<td>Monitor</td>
<td>Resolution 1024 x 768 pixels or higher or higher</td>
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### Supported Programmable Controller CPU

<table>
<thead>
<tr>
<th>Series name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>MELSEC-Q series</td>
<td>Basic model QCPU (Q00J, Q01J, Q01)</td>
</tr>
<tr>
<td>MELSEC-Q series</td>
<td>High Performance model QCPU (Q02, Q02H, Q06H, Q12H, Q25H)</td>
</tr>
<tr>
<td>MELSEC-L series</td>
<td>Universal model QCPU (Q00JU, Q00U, Q01JU, Q02U, Q03UD, Q03UDE, Q04UDH, Q04UDEH, Q06UDH, Q06UDEH, Q10UDH, Q10UDEH, Q11UDH, Q13UDEH, Q20UDH, Q20UDEH, Q26UDH, Q26UDEH, Q50UDEH, Q100UDEH)</td>
</tr>
<tr>
<td>Remote I/O module</td>
<td>(Q72L, Q72B, Q72B)</td>
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<tr>
<td>MELSEC-F series</td>
<td>L02, L02-P, L26-BT, L26-PBT, L72GF15-T2</td>
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<tr>
<td>MELSEC-F series</td>
<td>FX1, FX2, FX3, FX4, FX5, FX6, FX7, FX8, FX9, FX10, FX11, FX12</td>
</tr>
</tbody>
</table>

These CPU modules below are supported with using GX Developer which is included on the CD-ROM.

#### QCPU/Q mode
- Process CPU (Q02PH, Q06PH, Q12PH, Q25PH)
- Redundant CPU (Q12PRH, Q25PRH)

#### QCPU A mode
- All types

#### QSCPU
- All types

#### QnACPU
- All types

#### ACPU
- All types

#### Motion controller (SCPU)
- All types

#### CNC (M6, M7)
- All types

### Product Information

#### Single license product

- **GX Works2 Version1 (CD-ROM)**
  - **Product name**: SW1DNC-GXW2-E
  - **Model code**: 13PG71

#### Volume license product

- **GX Works2 Version1 (CD-ROM)**
  - **Product name**: SW1DNC-GXW2-EA

#### Additional license product

- **GX Works2 Version1**
  - **Product name**: SW1DNC-GXW2-EAZ
  - **Model code**: 13PG71

This product does not include CD-ROM. Only license certificate with the product ID number will be issued.

### Manuals

#### Operating manual

- **Manual name**: GX Works2 Version1 Operating Manual (Common)
  - **Solid separately**: SH-080779ENG
  - **Model code**: 13JU63

- **Manual name**: GX Works2 Version1 Operating Manual (Simple Project)
  - **Solid separately**: SH-080780ENG
  - **Model code**: 13JU64

- **Manual name**: GX Works2 Version1 Operating Manual (Simple Project, Function Block)
  - **Solid separately**: SH-080984ENG
  - **Model code**: 13JU72

- **Manual name**: GX Works2 Version1 Operating Manual (Structured Project)
  - **Solid separately**: SH-080781ENG
  - **Model code**: 13JU65

- **Manual name**: GX Works2 Beginner’s Manual (Simple Project)
  - **Solid separately**: SH-080787ENG
  - **Model code**: 13JZ22

- **Manual name**: GX Works2 Beginner’s Manual (Structured Project)
  - **Solid separately**: SH-080788ENG
  - **Model code**: 13JZ33

*1 The operating manuals are included on the CD-ROM with the software package.
Manuals in printed form are sold separately for single purchase.
Order a manual by quoting the manual number (model code) listed in the upper table.
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