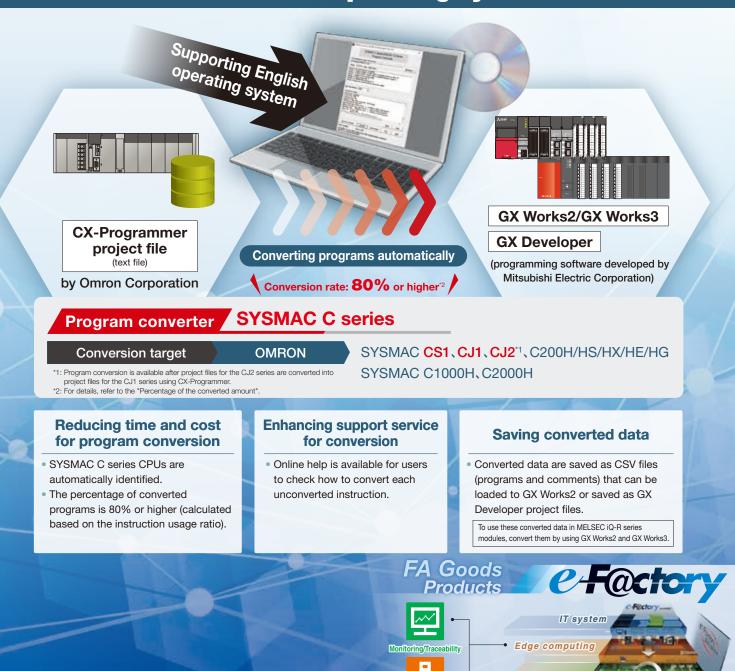
OMRON SYSMAC C Series → MELSEC-Q/iQ-R Series Program Converter

Model: ERNT-CQ1W2C (Ver.30A)

New Product Release | No. 20-04E

Compatible with English and Japanese versions of Windows® operating system



Production site

The program converter helps users who want to replace SYSMAC C series units with MELSEC series modules

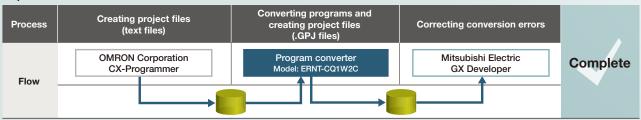
What is the program converter?

The program converter is software to convert OMRON SYSMAC C series programs to GX Developer project files.

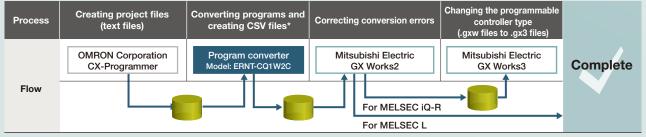
When using the SYSMAC C series programs in MELSEC iQ-R series modules, convert the programs (CX-Programmer project files) with this program converter. After that, convert them into project files compatible with the programming software for MELSEC iQ-R series, GX Works3.

■ Program conversion process flow

Replacement with MELSEC-Q series

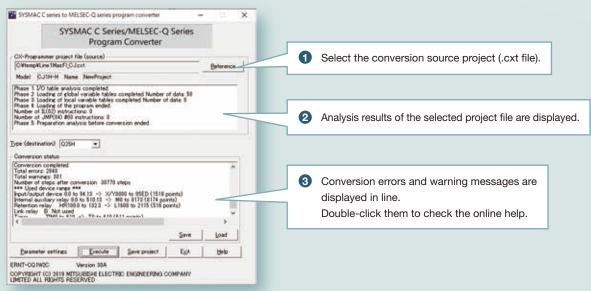


Replacement with MELSEC-iQ-R/L series



 $^{^{\}star}$ Data can be saved as files that can be displayed in the ladder edit window or the comment edit window of GX Works2.

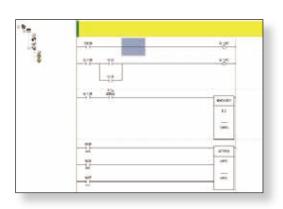
■ Program converter startup window

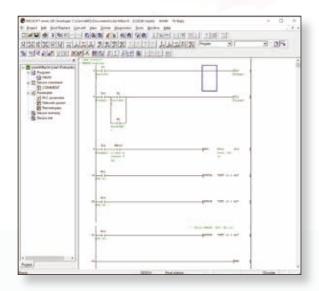


Conversion source program (CX-Programmer)

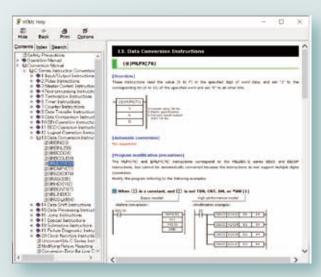
Conversion

Converted program (GX Developer)





Online help



Users can proceed with the conversion while checking how to convert each instruction.

Users can replace unconverted programs with sample programs by copying them from the online help file and pasting them on GX Developer.

■ Percentage of the converted amount

• C1000H/2000H/200H series

		Conversion ratio					
Sequence program instruction classification			Simple comparison				
			No. of instructions	No. of convertible instructions	Converted instructions	Instruction usage ratio	Converted programs
Sequence	Bas	ic instruction	17	17	100%	51%	51%
instruction	Tim	er/counter	4	3	75%	3%	2%
Data instruction	Transfer instruction		9	7	78%	25%	19%
	Arithmetic and function instruction		17	15	88%	8%	7%
	Comparison logical instruction		10	7	70%	6%	4%
	Other	Special module step ladder block instruction	22	0	29%	7%	2%
		Other than the above	46	20			
Total		125	69	55%	100%	86%*2	

• CS1/CJ1 series

- 001/001 36163							
		Conversion ratio					
Sequence program			Simple comparison				
instruction classification		No. of instructions	No. of convertible instructions	Converted instructions	Instruction usage ratio	Converted programs	
Sequence	Bas	ic instruction	55	54	98%	51%	50%
instruction	Timer/counter		22	18	82%	3%	2%
Data instruction	Transfer instruction		15	11	73%	25%	18%
	Arithmetic and function instruction		193	124	64%	8%	5%
	Comparison logical instruction		54	27	50%	6%	3%
	Other	Special module step ladder block instruction	97	7	15%	7%	1%
		Other than the above	54	15			
Total		490	256	52%	100%	80%*2	

^{*1:} The instruction usage ratio is the percentage (ratio) of use of sequence instructions and data instructions in all programs.

^{*2:} This value is for reference only.

Operating environment

ı	tem	Description		
		Personal computer on which Windows® runs		
Personal	CPU	Intel® Core™ 2 Duo processor 2GHz or higher		
computer	CFU	recommended		
	Memory	1GB or more recommended		
HDD free space	At installation (HD)	3MB or more		
	When running	10MB or more		
	(virtual memory)	Tollib of filore		
CD-ROM drive		Required during installation		
Display		Resolution 800 x 600 pixels or higher		

Compatible basic software (OS)

Program converter version	Ver.30A		
Installable basic software (OS)	Microsoft® Windows® 7 Home Microsoft® Windows® 7 Professional Microsoft® Windows® 10 Home Microsoft® Windows® 10 Professional Microsoft® Windows® 10 Enterprise Microsoft® Windows® 10 Education		

Compatible Mitsubishi Electric programming software

Program converter version	Ver.30A
CV Developer version	Ver.8.45X or earlier
GX Developer version	Ver.8.68W or later
GX Works2 version	Ver.1.73B or later

Precautions before use

Programs for models earlier than C1000H series (such as C500) also can be converted with this program converter by taking the following steps. Firstly convert these programs into C1000H/C2000H series programs by using a file exchange utility included with CX-Programmer. After that, convert the C1000H/C2000H/C200H series programs by using the program converter.

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For safe use

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