RENESAS

Smart Configurator for RX V1.2

Release Note

R20UT4130EJ0100 Rev.1.00 Jun 12, 2017

Thank you for using the Smart Configurator for RX. This document describes the restrictions and points for caution. Read this document before using the product. **Contents**

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Chapter 1. Introduction

The Smart Configurator for RX is a software tool to generate control programs (device driver programs) for peripheral modules (timers, UART, A/D, etc.). It generates device driver codes using user settings through GUI. Initialize code and API (Application Programming Interface) functions are provided.



Chapter 2. Target Devices

Below is a list of devices supported by the Smart Configurator for RX V1.2.

RX130 Group			
PIN		Device name	
48pin		AxFL, R5F51303AxNE, R5F51305AxNE 6AxFL, R5F51307AxNE, R5F51307AxFL 8AxFL	
64pin	,	5AxFM, R5F51303AxFK, R5F51305AxFK 5AxFM, R5F51307AxFK, R5F51307AxFM 5AxFM	
80pin	R5F51303AxFN, R5F51305AxFN, R5F51306AxFN, R5F51307AxFK R5F51308AxFM		
100pin	R5F51305AxFP, R5F51306	R5F51305AxFP, R5F51306AxFP, R5F51307AxFP, R5F51308AxFP,	
Following docume	ents.		
Manual Name		Document Number	
RX130 Group User's Manual: Hardware		R01UH0560EJ0100	

RX64M Group			
PIN		Device name	
100pin	R5F56MFCxFP, R5F56MFCxLJ, R5F56MFDxFP, R5F56MFDxLJ R5F56MGCxFP, R5F56MGCxLJ, R5F56MGDxFP, R5F56MGDxLJ R5F56MJCxFP, R5F56MJCxLJ, R5F56MJDxFP, R5F56MJDxLJ R5F56MLCxFP, R5F56MLCxLJ, R5F56MLDxFP, R5F56MLDxLJ		
144/145pin	R5F56MFCxFB, R5F56MFCxLK, R5F56MFDxFB, R5F56MFDxLK R5F56MGCxFB, R5F56MGCxLK, R5F56MGDxFB, R5F56MGDxLK R5F56MJCxFB, R5F56MJCxLK, R5F56MJDxFB, R5F56MJDxLK R5F56MLCxFB, R5F56MLCxLK, R5F56MLDxFB, R5F56MLDxLK		
176/177pin	R5F56MFDxFC, R5F56MFDxBG, R5F56MFDxLC, R5F56MFCxFC R5F56MFCxBG, R5F56MFCxLC, R5F56MGDxFC, R5F56MGDxBG R5F56MGDxLC, R5F56MGCxFC, R5F56MGCxBG, R5F56MGCxLC R5F56MJDxFC, R5F56MJDxBG, R5F56MJDxLC, R5F56MJCxFC R5F56MJCxBG, R5F56MJCxLC, R5F56MLDxFC, R5F56MLDxBG R5F56MLDxLC, R5F56MLCxFC, R5F56MLCxBG, R5F56MLCxLC		
Following documents.			
Manual Name		Document Number	
RX64M Group User's Manual: Hardware		R01UH0377EJ0100	



RX65N Group				
PIN	Device name			
100pin	R5F565N9AxLJ, R5F565N9BxLJ, R5F565N9ExLJ, R5F565N9FxLJ R5F565N7AxLJ, R5F565N7BxLJ, R5F565N7ExLJ, R5F565N7FxLJ R5F565N4AxLJ, R5F565N4BxLJ, R5F565N4ExLJ, R5F565N4FxLJ R5F565N9AxFP, R5F565N9BxFP, R5F565N9ExFP, R5F565N9FxFP R5F565N7AxFP, R5F565N7BxFP, R5F565N7ExFP, R5F565N7FxFP R5F565N4AxFP, R5F565N4BxFP, R5F565N4ExFP, R5F565N4FxFP R5F565NCHxLJ, R5F565NCDxLJ, R5F565NEHxLJ, R5F565NEDxLJ R5F565NCHxFP, R5F565NCDxFP, R5F565NEHxFP, R5F565NEDxLJ			
144pin	R5F565N7AxFB, R5F565N R5F565N4AxFB, R5F565N	9BxFB, R5F565N9ExFB, R5F565N9FxFB 7BxFB, R5F565N7ExFB, R5F565N7FxFB 4BxFB, R5F565N4ExFB, R5F565N4FxFB ICDxFB, R5F565NEHxFB, R5F565NEDxFB		
145pin	R5F565N7AxLK, R5F565N7 R5F565N4AxLK, R5F565N4	9BxLK, R5F565N9ExLK, R5F565N9FxLK 7BxLK, R5F565N7ExLK, R5F565N7FxLK 4BxLK, R5F565N4ExLK, R5F565N4FxLK ICDxLK, R5F565NEHxLK, R5F565NEDxLK		
176pin		R5F565NCHxBG, R5F565NCDxBG, R5F565NEHxBG, R5F565NEDxBG R5F565NCHxFC, R5F565NCDxFC, R5F565NEHxFC, R5F565NEDxFC		
177pin	R5F565NCHxLC, R5F565N	R5F565NCHxLC, R5F565NCDxLC, R5F565NEHxLC, R5F565NEDxLC		
RX651 Group				
PIN		Device name		
100pin	R5F56517AxLJ, R5F56517l R5F56514AxLJ, R5F56514l R5F56519AxFP, R5F56519 R5F56517AxFP, R5F56517	R5F56519AxLJ, R5F56519BxLJ, R5F56519ExLJ, R5F56519FxLJ R5F56517AxLJ, R5F56517BxLJ, R5F56517ExLJ, R5F56517FxLJ R5F56514AxLJ, R5F56514BxLJ, R5F56514ExLJ, R5F56514FxLJ R5F56519AxFP, R5F56519BxFP, R5F56519ExFP, R5F56519FxFP R5F56517AxFP, R5F56517BxFP, R5F56517ExFP, R5F56517FxFP R5F56514AxFP, R5F56514BxFP, R5F56514ExFP, R5F56514FxFP		
144pin	R5F56519AxFB, R5F56519BxFB, R5F56519ExFB, R5F56519FxFB R5F56517AxFB, R5F56517BxFB, R5F56517ExFB, R5F56517FxFB R5F56514AxFB, R5F56514BxFB, R5F56514ExFB, R5F56514FxFB R5F5651CDxFB, R5F5651CHxFB, R5F5651EDxFB, R5F5651EHxFB			
145pin	R5F56519AxLK, R5F56519BxLK, R5F56519ExLK, R5F56519FxLK R5F56517AxLK, R5F56517BxLK, R5F56517ExLK, R5F56517FxLK R5F56514AxLK, R5F56514BxLK, R5F56514ExLK, R5F56514FxLK R5F5651CDxLK, R5F5651CHxLK, R5F5651EDxLK, R5F5651EHxLK			
176pin	R5F5651CDxBG, R5F5651CDxFC, R5F5651CHxBG, R5F5651CHxFC R5F5651EDxBG, R5F5651EDxFC, R5F5651EHxBG, R5F5651EHxFC			
177pin	R5F5651CDxLC, R5F5651CHxLC, R5F5651EDxLC, R5F5651EHxLC			
Following documer	nts.			
Ν	lanual Name	Document Number		
RX65N Group, RX651 Group User's Manual: Hardware		R01UH0590EJ0100		



Chapter 3. Operating Environment

Host machine

- IBM PC/AT compatibles (Windows® 10, Windows® 8.1, Windows® 7)
- Processor: 1 GHz or higher (must support hyper-threading, multi-core CPUs)
- Memory capacity: 2 GB or more recommended. Minimum requirement is 1 GB or more (64-bit Windows requires 2 GB or more)
- Hard disk capacity: 200 MB or more spare capacity
- Display: 1024 x 768 or higher resolution, 65,536 or more colors
- All other necessary software environments in addition to Windows OS
 - .NET Framework version4.5

Development Environments

Product Name	Version
Renesas electronics Compiler for RX [CC-RX]	V2.07.00 or later



Chapter 4. Points for Caution

This section describes points for caution regarding the Smart Configurator for RX V1.2. Please refer to a document of each module about a caution of a FIT module.

4.1 List of Caution

No	Description	version
		² . <
1	Caution of Online help	0
2	Caution of when building	0
0.	Applicable /: Not Applicable	

•: Applicable, /: Not Applicable

4.2 Details of Caution

4.2.1 Caution of Online Help

Smart Configurator for RX is not supporting online help.

4.2.2 Caution if when building

When building the project created by RX SmartConfigurator, warning occurs by the section which isn't used. Please change the link option of CC-RX property of CS+ to avoid Warning.

```
-Device RX64M/RX65N/RX651
Section start address
Before modification:
B_1,R_1,B_2,R_2,B,R,SU,SI/4,PResetPRG/FFxxx000,C_1,C_2,C,C$DSEC,C$BSEC,C$INIT,C$VTBL,C$VECT,
D_1,D_2,D,P,PIntPRG,W_1,W_2,W,L/FFxxx100,EXCEPTVECT/FFFFFF80,RESETVECT/FFFFFFFC
After modification:
B_1,R_1,B_2,R_2,B,R,SU,SI/4,C_1,C_2,C,C$*,D*,W*,L,P*/FFxxx000,
EXCEPTVECT/FFFFFF80,RESETVECT/FFFFFFC
```

-Device RX130

Section start address

Before modification:

 $D_1, D_2, D, P, PIntPRG, W_1, W_2, W, L/FFxxx100, FIXEDVECT/0FFFFFF80$

After modification:

B_1,R_1,B_2,R_2,B,R,SU,SI/4,C_1,C_2,C,C\$*,D*,W*,L,P*/FFxxx000,FIXEDVECT/FFFFF80



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