

Customer Notification

Applilet2 for V850ES/Fx3

Device Driver Configurator

Operating Precautions

AP-V850FX3-EE

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A) Table of Operating Precautions for AP-V850FX3-EE

Table A-1 Table description

No.	Outline	Version	AP2-V850FX3-EE		
			V2.41	V2.42	V2.43
A1	Project Options not saved on module base		x	✓	✓
A2	Windows Regional Settings may stop Applilet		x	x	x
A3	Setting of certain baud rates in CAN macro is not possible		x	x	x
A4	Missing tab for Port CS in port dialog for V850ES/FF3-L and V850ES/FG3-L		x	✓	✓
A5	VSWC register setting defined twice		x	✓	✓
A6	Wrong code in "Master receive control" block of IIC0 MasterHandler() function		x	✓	✓
A7	Wrong interrupt disabled in CSIBn "Single Transfer" Transmission or Transmission/Reception mode		x	x	✓
A8	No user code section for interrupt functions MD_INTTAA _n CC _m () / MD_INTTAA _{Bn} CC _m () in pulse measurement mode for TAA _n / TAB _n		x	x	✓

- ✓: Not applicable
- x: Applicable
- : Not checked

B) Description of Operating Precautions for AP-V850FX3-EE

Table B-1 No. A1 Project Options not saved on module base

<p><u>Version:</u> V2.41</p> <p><u>Toolchains:</u> GHS</p> <p><u>Example:</u> The option of an individual source file disappears though the option of the whole project is preserved when the MULTI project is merged when the code again is generated.</p> <p><u>Workaround</u> Please set the option of the individual source file after the code is generated again</p>

Table B-2 No. A2 Windows™ Regional Settings may stop Applilet

<p><u>Version:</u> V2.41, V2.42, 2.43</p> <p><u>Toolchains:</u> GHS, IAR, NEC</p> <p><u>Example:</u> If the regional setting of the Windows OS defines both, “Decimal symbol” and “Digit Grouping” as “Comma”, the initialization process of Applilet fails.</p> <p><u>Workaround</u> Specify either one or the other as ‘.’ (dot).</p>

Table B-3 No. A3 Setting of certain baudrates in CAN macro is not possible

<p><u>Version:</u> V2.41, V2.42, 2.43</p> <p><u>Toolchains:</u> GHS, IAR, NEC</p> <p><u>Example:</u> If the regional setting of the Windows OS defines “Decimal symbol” as “Comma”, certain baudrates in baudrate settings tab can not be set</p> <p><u>Workaround</u> Specify value with “Comma” or change setting of the Windows™ OS regional settings “Decimal Symbol” to ‘.’ (dot).</p>

Table B-4 No. A4 Missing tab for Port CS in port dialog for V850ES/Fx3-L

<p><u>Version:</u> V2.41</p> <p><u>Toolchains:</u> GHS, IAR, NEC</p> <p><u>Example:</u> There is no tab to configure Port CS in port configuration dialog for V850ES/FF3-L and V850ES/FG3-L.</p> <p><u>Workaround</u> None</p>

Table B-5 No. A5 VSWC register setting defined twice

<p><u>Version:</u> V2.41</p> <p><u>Toolchains:</u> GHS, IAR, NEC</p> <p><u>Example:</u> VSWC register defined twice at start.c and Clock_Init()</p> <p><u>Workaround</u> Please edit source files manually</p>

Table B-6 No. A6 Setting of certain baudrates in CAN macro is not possible

<u>Version:</u> V2.41	
<u>Toolchains</u> GHS, IAR, NEC	
<u>Example:</u>	
<pre> /* Master receive control */ else { if(glic0RxCnt < glic0RxLen) { *gplic0RxAddress = IIC0; gplic0RxAddress++; gplic0RxCnt++; if(glic0RxCnt == glic0RxLen) { ACKE0 = 0; WRELO = 1; WTIMO = 1; CALL_IIC0_MasterReceiveEnd(); } else WRELO = 1; } else WRELO = 1; CALL_IIC0_MasterReceiveEnd(); } } </pre>	<p>Deleted</p> <p>Deleted</p> <p>Added</p>
<u>Workaround</u> Please edit source files manually	

**Table B-7 No. A7 Wrong interrupt disabled in CSIBn “Single Transfer”
Transmission or Transmission/Reception mode**

Version:

V2.41, V2.42

Toolchains:

GHS, IAR, NEC

Example:

CSIB0_SendData()

```

gCsib0TxCnt = txnum;
gpCsib0TxAddress = txbuf;
if (CB0CTL2 != CSIB_DATA_LENGTH_8)
{
    if (txnum & 0x1)
    {
        status = MD_ARGERROR;
    }
    else
    {
        CB0TMK = 1;           /* Deleted */
        CB0RMK = 1;           /* Added */
        CB0TX = *(USHORT* )gpCsib0TxAddress;
        gpCsib0TxAddress += 2;
        gCsib0TxCnt -= 2;
        CB0TMK = 0;           /* Deleted */
        CB0RMK = 0;           /* Added */
        status = MD_OK;
    }
}
else
{
    CB0TMK = 1;           /* Deleted */
    CB0RMK = 1;           /* Added */
    CB0TX = *gpCsib0TxAddress;
    gpCsib0TxAddress++;
    gCsib0TxCnt--;
    CB0TMK = 0;           /* Deleted */
    CB0RMK = 0;           /* Added */
    status = MD_OK;
}

```

Workaround

Please edit source files manually

Table B-8 No. A8 No user code section for interrupt functions MD_INTTAA_nCC_m() / MD_INTTAA_{Bn}CC_m() in pulse measurement mode for TAA_n and TAB_n

Version:

V2.41, V2.42

Toolchains:

GHS, IAR, NEC

Example:

When TAA_n and TAB_n are set up for pulse width measurement mode, the user code sections for the interrupt functions MD_INTTAA_bCC_m() and MD_INTTAB_nCC_m() will not be generated.

Workaround

Please edit source files manually

C) Supported Devices

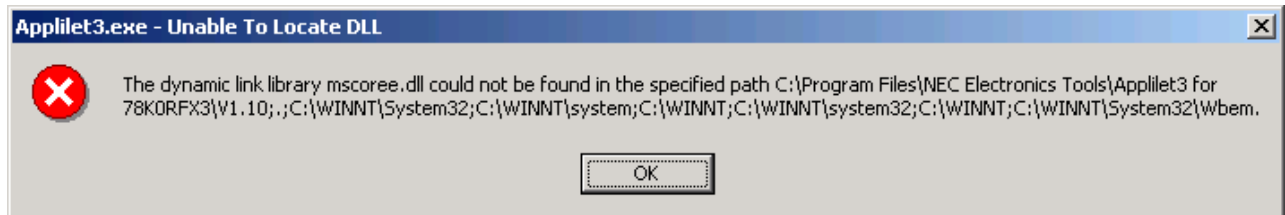
ROM	V850ES/FE3	V850ES/FF3	V850ES/FG3	V850ES/FJ3	V850ES/FK3
	64pin	80pin	100pin	144pin	176pin
1024 Kbyte	-	-	-	70F3382	70F3385
768 Kbyte	-	-	-	70F3381	70F3384
512 Kbyte	-	-	70F3377A	70F3380	70F3383
384 Kbyte	-	-	70F3376A	70F3379	-
256 Kbyte	70F3371	70F3373	70F3375	70F3378	-
128 Kbyte	70F3370A	70F3372	70F3374	-	-

ROM	V850ES/FE3-L	V850ES/FF3-L	V850ES/FG3-L
	64pin	80pin	100pin
256 Kbyte	70F3614	70F3619	70F3622
192 Kbyte	70F3613	70F3618	70F3621
128 Kbyte	70F3612	70F3617	70F3620
96 Kbyte	70F3611	70F3616	-
64 Kbyte	70F3610	70F3615	-

Supported
Not supported

D) Supported Operating Systems

Applilet supports Windows XP, Windows Vista and Windows 7 (32Bit editions).
 For operation the Microsoft .NET Framework Version 2.0 Redistributable Package is required.
 If the Microsoft .NET Framework Version 2.0 Redistributable Package is not installed, the following Windows error message will occur during application start:



The Microsoft .NET Framework Version 2.0 Redistributable Package can be downloaded from the Microsoft Corporation WEB Site: <http://www.microsoft.com/downloads>

Download Package: .NET Framework Version 2.0 Redistributable Package (x86)

Please use .NET Framework version 2.0 Redistributable package with latest patches.

E) Supported Development Environments

Renesas Electronics Development Tools	
Product Name	Version
Project Manager PM+	V6.31 or later
CA850	V3.46 or later
ID850QB	V3.60 or later
Device File Package DF70F3385	V1.22 or later
Device File Package DF70F3622	V1.00 or later

IAR Systems Development Tools	
Product Name	Version
Embedded Workbench for V850 EWW850	V3.50a or later
Device File Package DF-V850ES-Fx3-EE	V1.22 or later
Device File Package DF-V850ES-Fx3-L-EE	V1.00 or later

Green Hills Development Tools	
Product Name	Version
GHS MULTI	V4.2.3 or later
Device File Package DF-V850ES-Fx3-EE	V1.22 or later
Device File Package DF-V850ES-Fx3-L-EE	V1.00 or later

F) Valid Specification

Item	Date published	Document No.	Document Title
1	March 30, 2011	R01UH0237ED0300_V850ESFx.pdf	V850ES/Fx3 Hardware User's Manual

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H) Revision History

Item	Date published	Document No.	Comment
1	01-Dec-2010	R20TU0022ED0100	First Release.
2	12-May-2011	R20TU0022ED0101	Update.



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