

# Microcontroller Technical Information

ID850QB Integrated Debugger for V850 Microcontrollers  Upgrade	Document No.	ZBG-CD-09-0046	1/1
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Related documents ID850QB Ver. 3.40 Integrated Debugger Operation User's Manual: U18604EJ1V0UM00 ID850QB Ver. 3.60 Operating Precautions: ZUD-CD-09-0154	Issued by	Development Tool Solution Group Multipurpose Microcomputer Systems Division Microcomputer Operations Unit NEC Electronics Corporation	
	Document classification		Usage restriction
		√	Upgrade
			Document modification
		Other notification	

## 1. Target product and version

Product	Generic Name	Outline	Old Version	New Version
ID703000-QB	ID850QB	V850 microcontroller GUI C source debugger	Ver. 3.50	Ver. 3.60

## 2. Upgrade details

The major revisions are as follows:

- A wireless unit for MINICUBE2 is now available.
- Hex code to which an ID tag is added for the data flash memory can now be uploaded.
- In **Trace View** window, invalid fetched frames are now shown in orange.
- A column for function names has been added to the **Variable** tab in the **List** window.
- The following devices are now supported:
  - V850E/SJ3-H, V850E/SK3-H (when used with IECUBE, MINICUBE, or MINICUBE2)
  - V850E/IG4, V850E/IH4 (when used with MINICUBE or MINICUBE2)
  - V850ES/JH3-E, V850ES/JJ3-E, V850E/DG3 (when used with MINICUBE2)

## 3. How to upgrade

Download the latest debugger from the NEC Electronics website.

After you have downloaded the file, install the device file according to the procedure described in the document posted on the same download page.

English version: <http://www.necel.com/micro/en/ods/> → Click "Version-up Service".

Japanese version: <http://www.necel.com/micro/ja/ods/>

## 4. Upgrade start date

The upgraded product can be downloaded from the website from July 31, 2009.