

Microcontroller Technical Information

QB-MINI2 On-Chip Debug Emulator with Programming Function Upgrade	Document No.	ZBG-CD-09-0047	1/2
	Date issued	August 6, 2009	
	Issued by	Development Tool Solution Group Multipurpose Microcomputer Systems Division Microcomputer Operations Unit NEC Electronics Corporation	
Related documents QB-MINI2 User's Manual: U18371EJ5V0UM00 QB-MINI2 Operating Precautions: ZUD-CD-09-0151	Document classification		Usage restriction
		√	Upgrade
			Document modification
			Other notification

1. Target product and version

Product Name	Generic Name	Control Code ^{Note}	Firmware Version ^{Note}	Remark
QB-MINI2	MINICUBE2	A	V4.07 or earlier	After upgrading, the firmware version will be 5.00. The control code will not be changed.

Note For the identification method for the control code and firmware version, see *QB-MINI2 Operating Precautions* supplied with the product.

2. Upgrade details

The major revisions are as follows:

- Addition of specification for supporting MINICUBE2 wireless unit

For details, see *QB-MINI2 Operating Precautions* (ZUD-CD-09-0151). This document is posted on the MINICUBE2 information site.

URL: <http://www.necel.com/micro/en/development/asia/minicube2/minicube2.html>

3. How to upgrade

Upgrade the MINICUBE2 firmware in accordance with the following procedures:

(1) Downloading firmware

Download the latest firmware from the Development Tools Download page on the NEC Electronics website.

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

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

(2) Updating firmware

Write the downloaded firmware to the MINICUBE2 by using the MINICUBE2 diagnostic tool, according to the procedure described in the *QB-MINI2 User's Manual*, which is posted on the MINICUBE2 information site.

4. Upgrade start date

The latest firmware has been downloadable from the website since July 31, 2009.