

Microcontroller Technical Information

QB-78K0KX1H In-Circuit Emulator for 78K0/KB1, KC1, KD1, KE1, KF1, KB1+, KC1+, KD1+, KE1+, KF1+ Upgrade	Document No.	ZBG-CD-07-0079	1/2
	Date issued	November 5, 2007	
	Issued by	Development Tool Solution Group Multipurpose Microcomputer Systems Division Microcomputer Operations Unit NEC Electronics Corporation	
Related documents QB-78K0KX1H User's Manual: U17081EJ4V0UM00 QB-78K0KX1H (Control Code: A, B, C, D, E, F, G) Operating Precautions: ZUD-CD-07-0178	Notification classification		Usage restriction
		√	Upgrade
			Document modification
			Other notification

1. Target product and version

Product	Control Code Note 1	Control Board Version ^{Note 2}	Upgrade Method	Control Code After Upgrade
QB-78K0KX1H	A, B, C, D, E	0001	Upgrade by sending the product to NEC Electronics	G
	E, F	0002 or 0003	Upgrade by user or upgrade by sending the product to NEC Electronics	

It is not necessary to upgrade control code G.

2. Upgrade details

Specification No. 10 described in *QB-78K0KX1H (Control Code: A, B, C, D, E, F, G) Operating Precautions (ZUD-CD-07-0178)* will be added.

No.	Changed Point
10	Support for emulation for boot swap function

3. Upgrade start date

Two types of upgrade are available.

Both methods are available, but we request customers to upgrade the product as indicated in "3.1 Upgrade by user", because upgrades by sending the product to NEC Electronics may require two weeks or longer.

3.1 Upgrade by user (users of control board version 0002 or 0003)

The upgrade file can be downloaded from the website from November 9, 2007.

Download the latest version of the upgrade file from the Development Tools Download page on the NEC Electronics website, and upgrade the product by referring to *How to Upgrade QB-78K0KX1H (ZUD-CD-07-0179)*, which is included with the upgrade file.

URL: <http://www.necel.com/micro/ods/eng/> → Click "Version-up Service".

3.2 Upgrade by sending the product to NEC Electronics

Upgrading by sending the product will be available from November 9, 2007.

Upgrade by sending the product to NEC Electronics is available. Consult an NEC Electronics sales representative or distributor.

The upgrade described herein will be provided for free for a period of one year from the above date. After the free upgrade period expires, an upgrade will be available for a fee. We therefore recommend that you take advantage of the free upgrade offer during the free upgrade period.

Notes 1. The “control code” is the second digit from the left in the 10-digit serial number.

If the product has been upgraded, the control code can be checked in the About dialog box of integrated debugger ID78K0-QB.

“X” in version information “IECUBE **** X F/W: V*.*” is the control code.

2. Check the control board version in the About dialog box of the ID78K0-QB. The users who have an IECUBE with control board version 0002 or 0003 can upgrade the product by themselves, but if the control board version is 0001, we request the users to send the product to NEC Electronics.

“YYYY” in version information “Control Board YYYY **.* **.*” is the control code.

- Open the About dialog box in either of the following ways.
 - Select [About...] under [Help] from the menu bar on the main window.
 - Press the ALT, H and A keys in that order.

