

# Microcomputer Technical Information

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ID78K0-QB (Japanese/English Version Windows) Integrated Debugger for 78K0 Series Upgrade	Document No.	ZBG-CD-04-0082	1/2
	Date issued	October 20, 2004	
Related documents ID78K0-QB Ver.2.81 Operation U16996EJ2V0 ID78K0-QB Ver.2.82 Operating Precautions: ZUD-CD-04-0104 78K0 Series IECUBE Utility IEQBUTL (V1.23) User's Manual: ZUD-CD-04-0106	Issued by	Development Tool Group Multipurpose Microcomputer Systems Division 3rd Systems Operations Unit NEC Electronics Corporation	
	Document classification		Usage restriction
		√	Upgrade
			Document modification
		Other notification	

## 1. Product type and version

Product	Outline	Old Version	New Version
Integrated debugger ID78K0-QB included with IECUBE	Debugger for IECUBE (ID78K0-QB)	V2.81	V2.82

## 2. Details of upgrade

The major revisions in ID78K0-QB V2.82 are shown below. For details, refer to "78K0 Series Integrated Debugger ID78K0-QB V2.82 Operating Precautions (ZUD-CD-04-0104)" supplied with the product.

- Correction of the following restrictions
  - (1) POW OFF is not displayed on status bar
  - (2) Codes including PFCMD cannot be assembled
  - (3) Event Manager and Software Break Manager are not updated
  - (4) PC freezes when OCD Checker and debugger are used at the same time
  - (5) Software breaks can no longer be used if a debugger reset is performed
  - (6) Only CPU is reset after Restart command is executed during user program execution
  - (7) Each window is updated if an external reset occurs during user program execution
  - (8) Address in PC is decremented by 1 when an event break has occurred
  - (9) Break does not occur at the subsequent instruction to which a before-execution break is set
  - (10) Indication of stack overflow and stack underflow are exchanged with each other
  - (11) Input to Redraw Interval box is no longer possible
  - (12) Emulation is not possible when using a device with 10 or more SFRs that can be accessed in 16-bit units
  - (13) Access break is invalid after a power-on clear occurs

### 3. How to upgrade

#### (1) ID78K0-QB (for Japanese-version Windows)

- Free upgrade (without CD-ROM medium)

Download the software (update\_module.exe) through ODS<sup>Note</sup> (online delivery service).

**Note** Access the following URL.

<http://www.necel.com/micro/ods/jpn/>

#### (2) ID78K0-QB (English-version Windows)

- Free upgrade (without CD-ROM medium)

Download the software (update\_module.exe) through ODS<sup>Note</sup> (online delivery service).

**Note** Access the following URL.

<http://www.necel.com/micro/ods/eng/>

### 4. Upgrade start date

- Free upgrade (Windows version, without CD-ROM medium)

The upgraded product can be downloaded through ODS from October 20, 2004.