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TOSHIBA SEMICONDUCTOR BULLETIN eye April 2008 VOLUME 188

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New Products

Flash Microcontroller Programming Tool:
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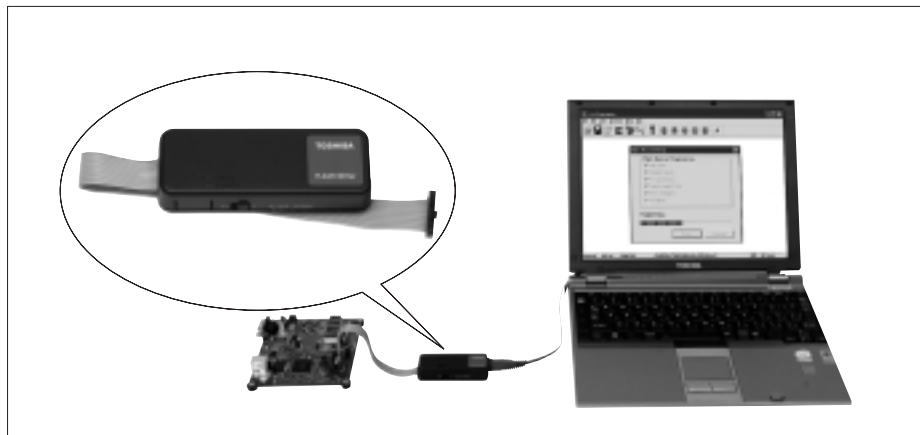
Toshiba has developed a new FLASH Writer, BM1401W0A-G, that improves on operability and reliability from the existing FLASH Adapter series.

In the existing product, case of our previous products, the FLASH microcontroller was programmed off-board by mounting it in the IC socket of the FLASH Adapter board. This newly developed FLASH Writer supports on-board programming with the microcontroller mounted on the user's development board (target board). Dedicated cables for connecting with the user's development boards can also eliminate the need for bothersome wiring work.

In addition, in order to accommodate the different programming environments of various customers, we also plan to offer an option board that makes it possible to perform off-board programming.

Features

- ① USB connection with host system
- ② Supports on-board programming:
Enables programming while mounted on a target board
- ③ Power supply:
Power for the writer is provided from the USB bus power (power adapter is not required)
- ④ Power supply for target board (max. 200 mA):
Power can be supplied from the writer to the target board (3.3 V / 5.0 V selectable)
- ⑤ Compact size:
28.5 mm (D) x 77.0 mm (W) x 18.5 mm (H)
- ⑥ Existing product (FLASH programmer) can be used for control software
- ⑦ Off-board programming:
Off-board programming is possible by connecting to an option board (under planning)



Main Specifications

Supported Microcontrollers	FLASH microcontrollers of the following series*1; TLCS-870/C1, 870/C, 870/X TLCS-900/L1, 900/H1, 900/H TLCS-19A, TLCS-770
PC operating environment	Windows® XP / Windows® 2000*2
Host PC I/F	USB2.0
Target I/F	UART
Power supply	Supplied from USB bus power
Power supply to target	Max. 200 mA (3.3 V / 5.0 V selectable)
Status LEDs	Writer power on indicator/target power on indicator
Stand-alone operation	Not possible
Product configuration	FLASH Writer Target connection cable Software user registration and download service
Dimensions	28.5 mm (D) x 77.0 mm (W) x 18.5 mm (H)

*1: Please refer to the latest information on supported microcontrollers at our web site (<http://www.semicon.toshiba.co.jp/product/micro/index.html>)

*2: Microsoft®, Windows®, Windows® 2000, Windows® XP are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

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