



## Product Change Notification

*Trenz Electronic TE03xx series*

### Notification Title

Trenz Electronic TE03xx series modules, new firmware released.

### Notification Type

Firmware Revision

### Notification Entity

minor change	major change
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### Products Affected

TE0300

TE0320

### Description of Change

Cypress FX2 microcontroller firmware updated from version 2.01 to version 2.02. USB endpoint 1 queue processing updated to prevent execution of incorrect API commands.

### Reason for Change

Product being updated with newer firmware which solve FPGA boot stability problem.

### Impact

Improved stability of boot sequence.

### Proposed Countermeasures

If your TE0300 or TE0320 module have FX2 microcontroller with firmware revision 2.1 or lower, you can update it to version 2.2.

### Defining firmware version

Execute the sample DMA test available in the  
TE0320\_API\_Example\Release.

- Press "1" to show number of connected modules.

- Press "2" to connect to module No 1.
- Press "6" to show FX2 firmware version.
- Press "0" to exit.

## ***Firmware update***

Detailed description of firmware upgrade procedure can be found in [UM-Firmware.pdf](#).

- Download firmware TEFW-2.02.0000.fwu from [http://www.trenz-electronic.de/fileadmin/docs/Trenz\\_Electronic/TE-USB-Suite/firmware/TEFW\\_2.02.0000.fwu](http://www.trenz-electronic.de/fileadmin/docs/Trenz_Electronic/TE-USB-Suite/firmware/TEFW_2.02.0000.fwu)
- Download FirmwareUpgradeTool from [http://www.trenz-electronic.de/fileadmin/docs/Trenz\\_Electronic/TE-USB-Suite/tools/DewesoftFWUT.zip](http://www.trenz-electronic.de/fileadmin/docs/Trenz_Electronic/TE-USB-Suite/tools/DewesoftFWUT.zip)
- Run USBFirmwareUpgradeTool.exe
- Select device to update
- Check "USB EEPROM" checkbox.
- Uncheck "FPGA FLASH" checkbox.
- Press "..." button and select FWU file.
- Press "Upload" button.
- Wait for the completion.
- Reboot module.

## **Expected Sample Availability Date**

First Availability of Post-Conversion Product 15 Jan 2012.

## **Expected Production Availability Date**

First Availability of Post-Conversion Product 15 Jan 2012.

## **PCN Representative**

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