

Service Bulletin

Product: Elise 2 Modules

Purpose: Possible image download interruption when using a web browser

Date: 09/03/08

ELISE2 IMAGE INSTALLATION VIA WEB BROWSER

Background

It has been reported that interrupted downloads are possible when trying to perform an image installation via the Web browser to an Elise2 module.

The reason for this problem is that for images larger than 128 Mb the Elise2 modules need to have an onboard flash with revision 1.30. Older Elise2 modules have version 1.20 which may interrupt download of larger images (128 Mb or higher).

Affected equipment

Elise2 hardware delivered prior to week 3-2006 with serial number 6058216 and less.

Solution

If you experience a problem with Image installation via the Web browser to Elise2 modules, please check that you have onboard flash with revision 1.30.

Note: To see what version you have of the onboard flash:

- *Go to the admin page of the Elise module.*
- *Troubleshoot - > System Information*
- *The Boot Software Version displayed shall be 1.30 (if you shall use the web browser for image installation)*

If not, you need to upgrade the onboard flash to version 1.30 according to the following: Tech News Published: 2006-02-10 – issue: 8:06 “New Compact Flash to Elise2”.

Required equipment:

- RS232-RJ45 adapter F180713
- A PC with COM-port
- A terminal program like Tera Term, download freeware from: <http://hp.vector.co.jp/authors/VA002416/teraterm.html>
- Software ELISE2.BIN version 1.30.

The ELISE2 on board flash is divided into two memory areas; the same software is used for both. Follow the instructions below to upgrade the on-board flash:

1. Download Tera Term and run the setup.exe to install it.
2. Make a connection between a COM-port on a PC and J11 on the ELISE2 according to figure 13 in the ELISE2 installation guide. Use adapter F180713.
3. Connect pin 1 and 2 (the leftmost pins) on J4.

Service Bulletin



Product: Elise 2 Modules

Purpose: Possible image download interruption when using a web browser

Date: 09/03/08

4. Start Tera Term and select the COM port you are using. Change the settings (click “setup”, then “serial port”) to 115200 kB/s, 8 bit, no parity, one stop bit, flow control Xon/Xoff. Turn off local echo if activated.
5. Power up the ELISE2 Module. When the status led flashes green/orange you should see a menu in the terminal window. This is the production test menu. If you do not see a menu, check that you have chosen the correct COM-port. If so, try cycling power the ELISE2 module.
6. From the production test menu; press “w” (case sensitive) to start the flash utility.
7. Select “2. Download Image”. The application is now waiting for a file to be sent.
8. In the Tera Term menu; Click “File”, then “Send File” and choose the “ELISE2.BIN” to be uploaded. IMPORTANT: Chose option binary.
9. When the Download is finished, select “9. Update Entire Flash” to program the uploaded file.
10. Select “r, Reboot In Alternate Setup”, wait until LED1 flashes green/orange.
11. Press “w” (case sensitive) from the production test menu to start the flash utility.
12. Select “2. Download Image”, and upload the file “ELISE2.BIN as before” don’t forget to make sure that binary transfer is chosen.
13. When the download is finished, select “5. Update Hwtest” to program the uploaded file to the last area.
14. Select “4. CRC” to check that the checksum is "Image in flash: cd86f788".
15. Select “m” to clear some temporarily data in C-MOS memory.
16. Remove the connection from J4 pin 1 and 2 (the leftmost pins) and restart the module.

Please note that the new flash will generate the following print out in the complete log at start up:

```
2000-01-01 19:52:57 ISC-75 kernel: hda: drive_cmd: error=0x04 { DriveStatusError }
2000-01-01 19:52:57 ISC-75 kernel: hda: drive_cmd: status=0x51 { DriveReady SeekComplete Error }
```

Additional Information

For additional information, please contact the Ascom Technical Support team at 877-71ASCOM, Option 3, Option 1. Normal business hours are 8:00 AM to 5:00 PM EST.