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Server, Storage and HPC Solutions

Astek Expander A33606

16-0170-01A

How to Flash Firmware

Date: 2013/09/13_R1

English Version

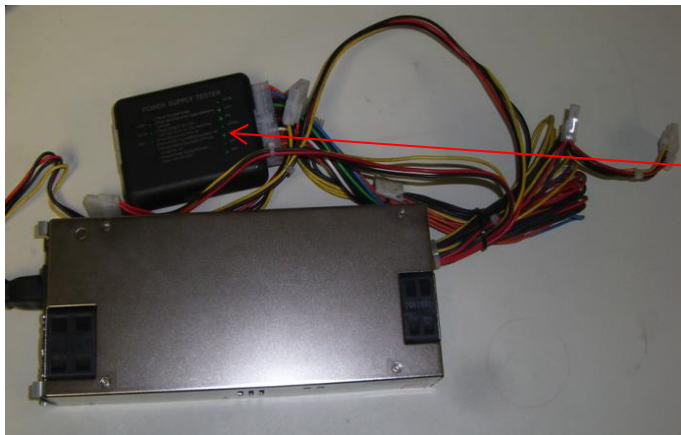
Required Hardware



RS-232 (DB9) to RJ-11 Cable



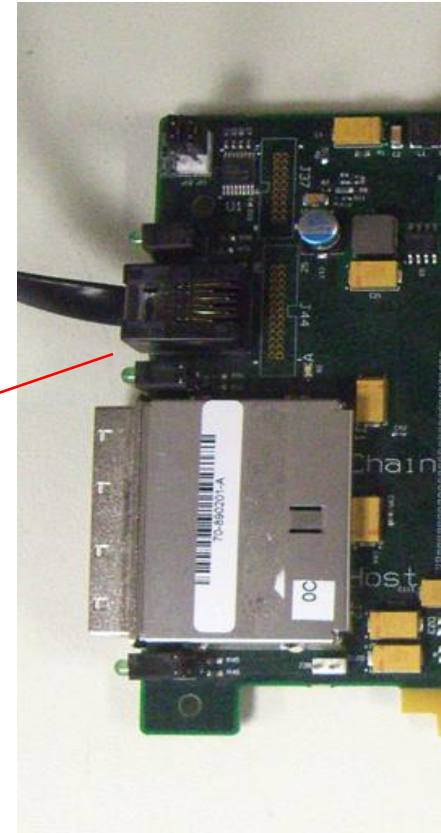
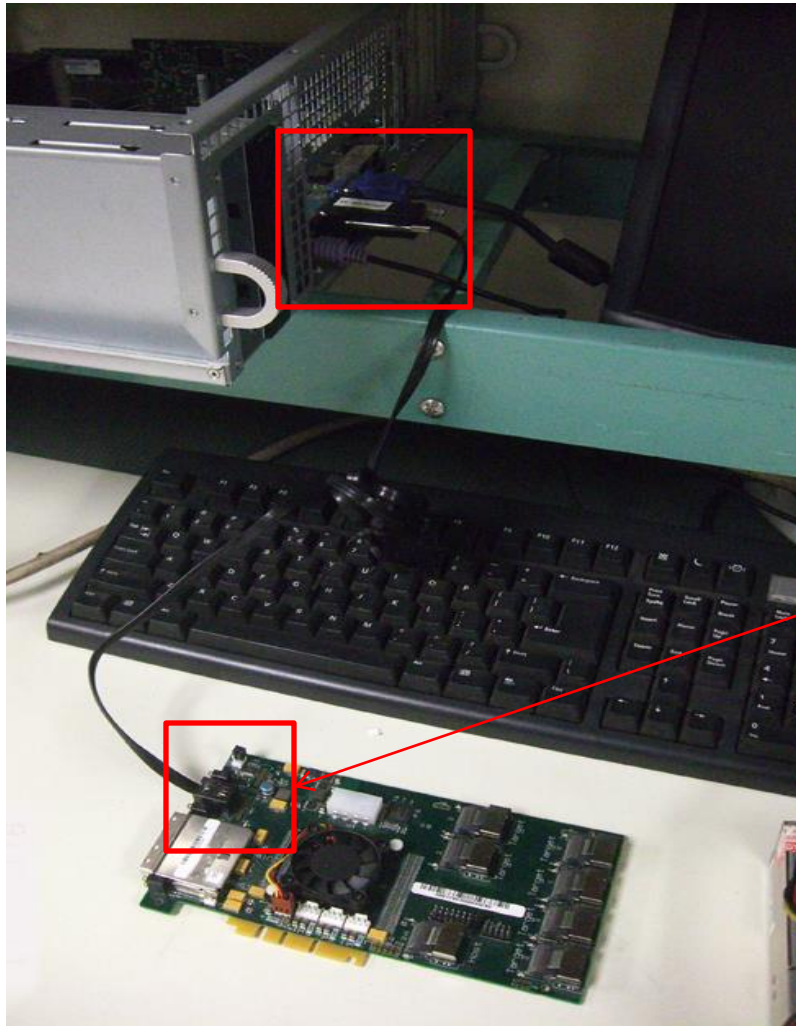
LSI RAID Controller Card w/ at least 1x SFF8088 external port



P1H-6400P 400W (22-0035-01A)



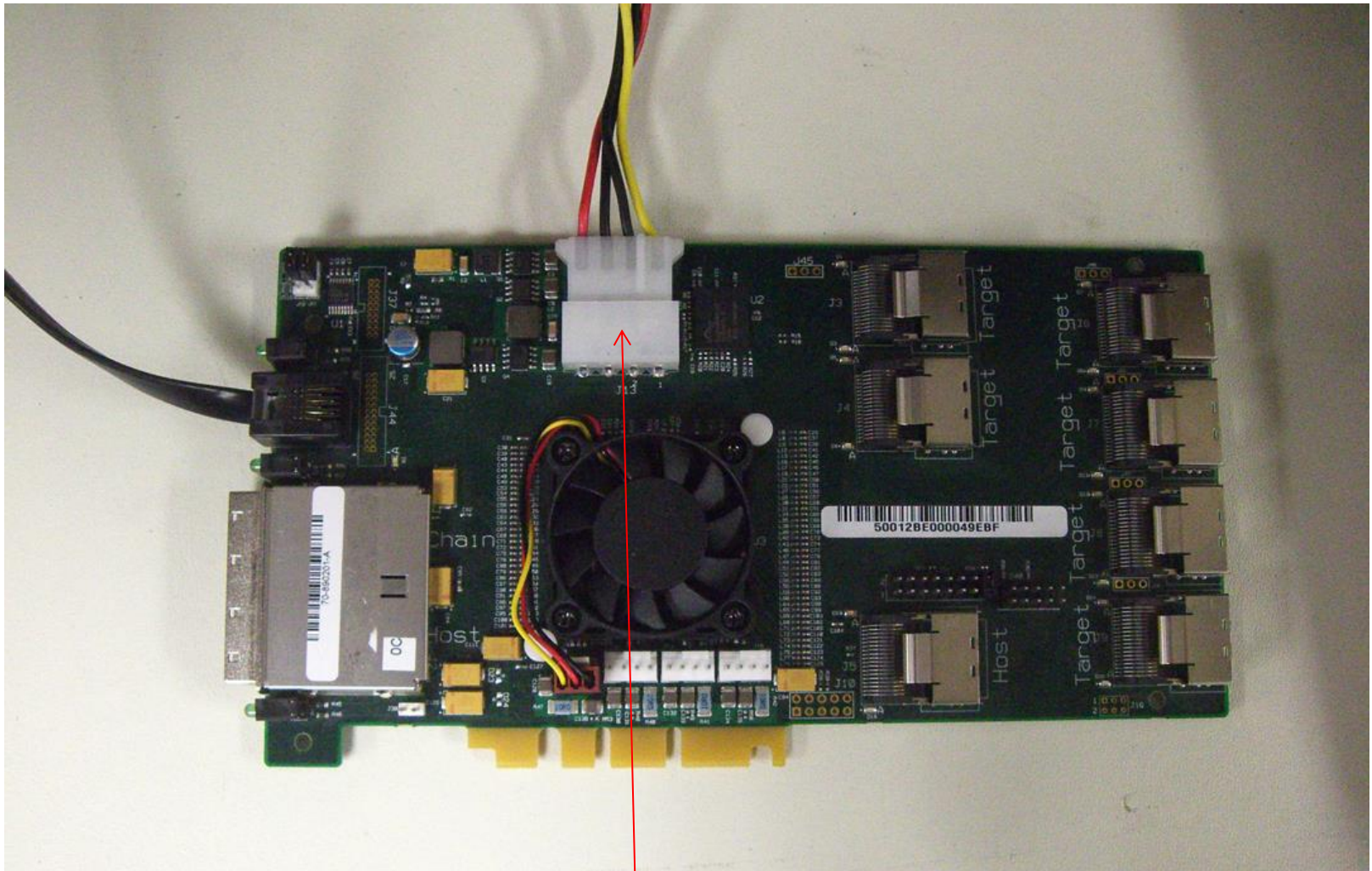
Power Supply Tester



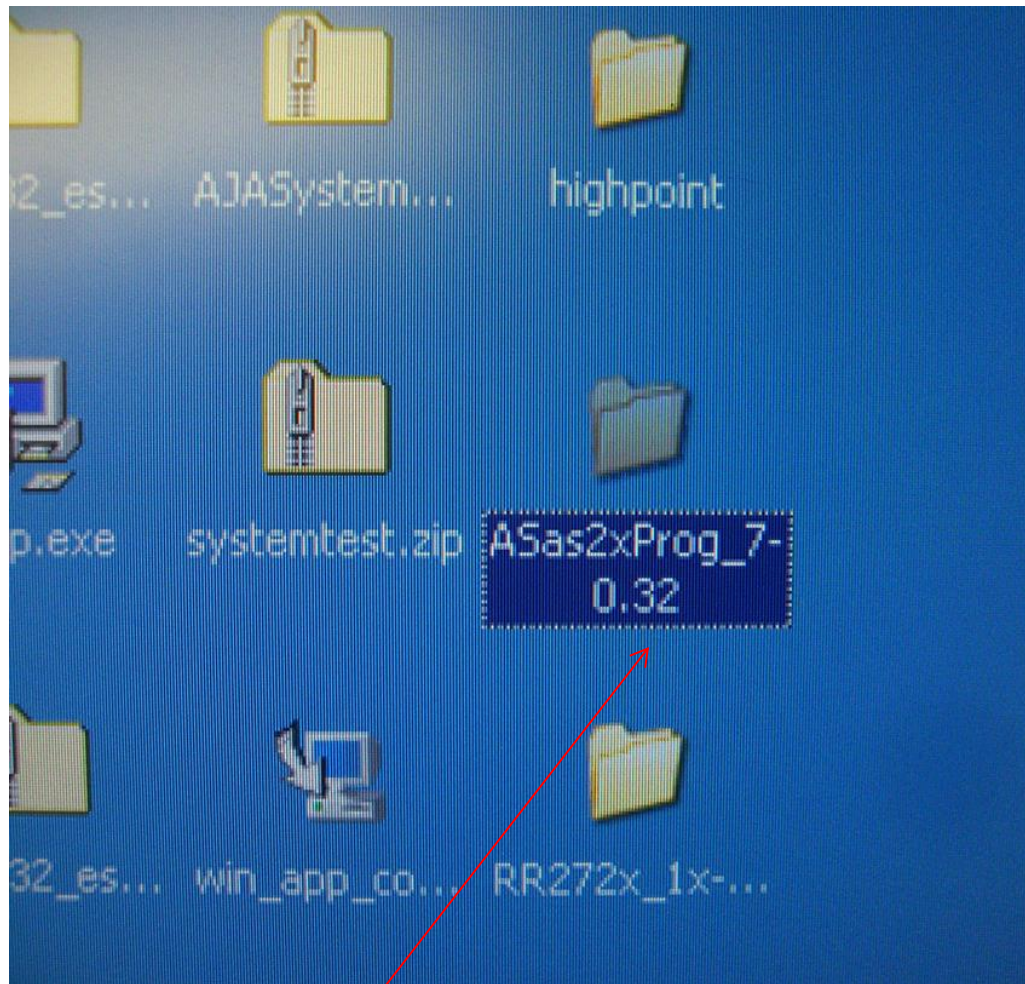
Connect RS-232/RJ-11 cable between system and expander card (16-0170-01A)



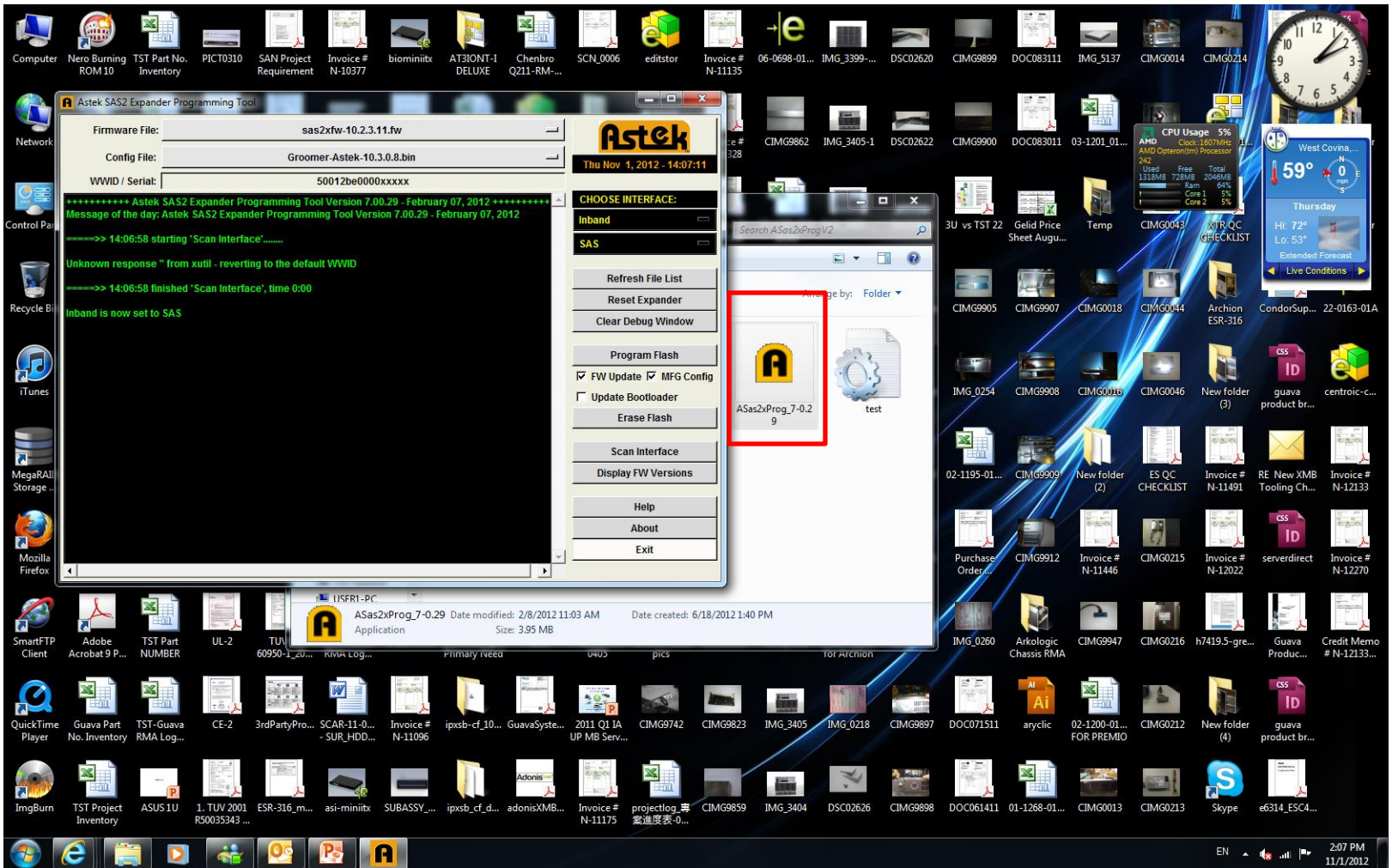
Put the anti-static shielding bag away. DO NOT put it under the expander.



Connect power source to the expander card (16-0170-01A)
via 4-pin Molex cable

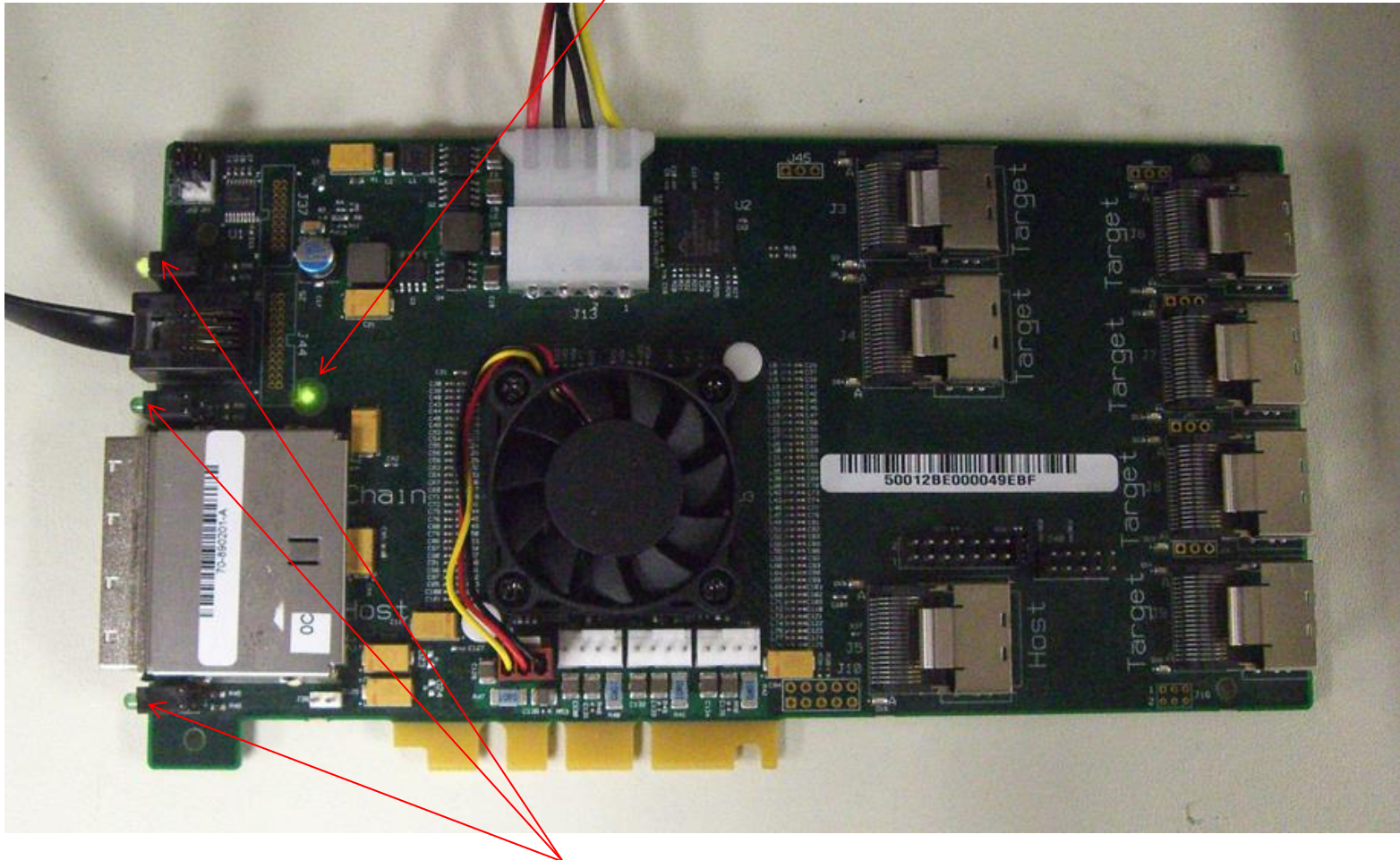


On Desktop, find a folder named “ASas2xProg_7-0.32”, and open it.



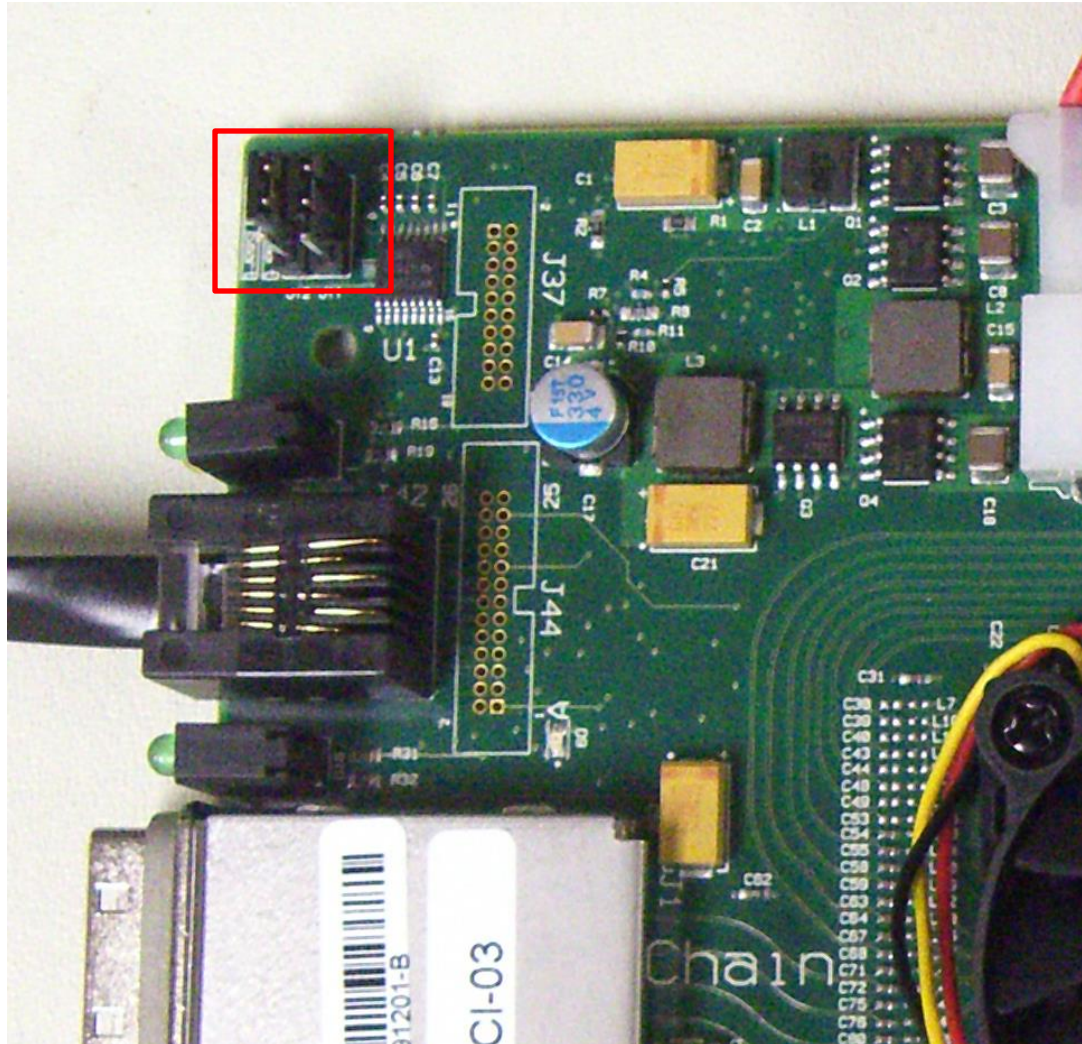
Open ASas2xProg_7-0.29.exe file as shown

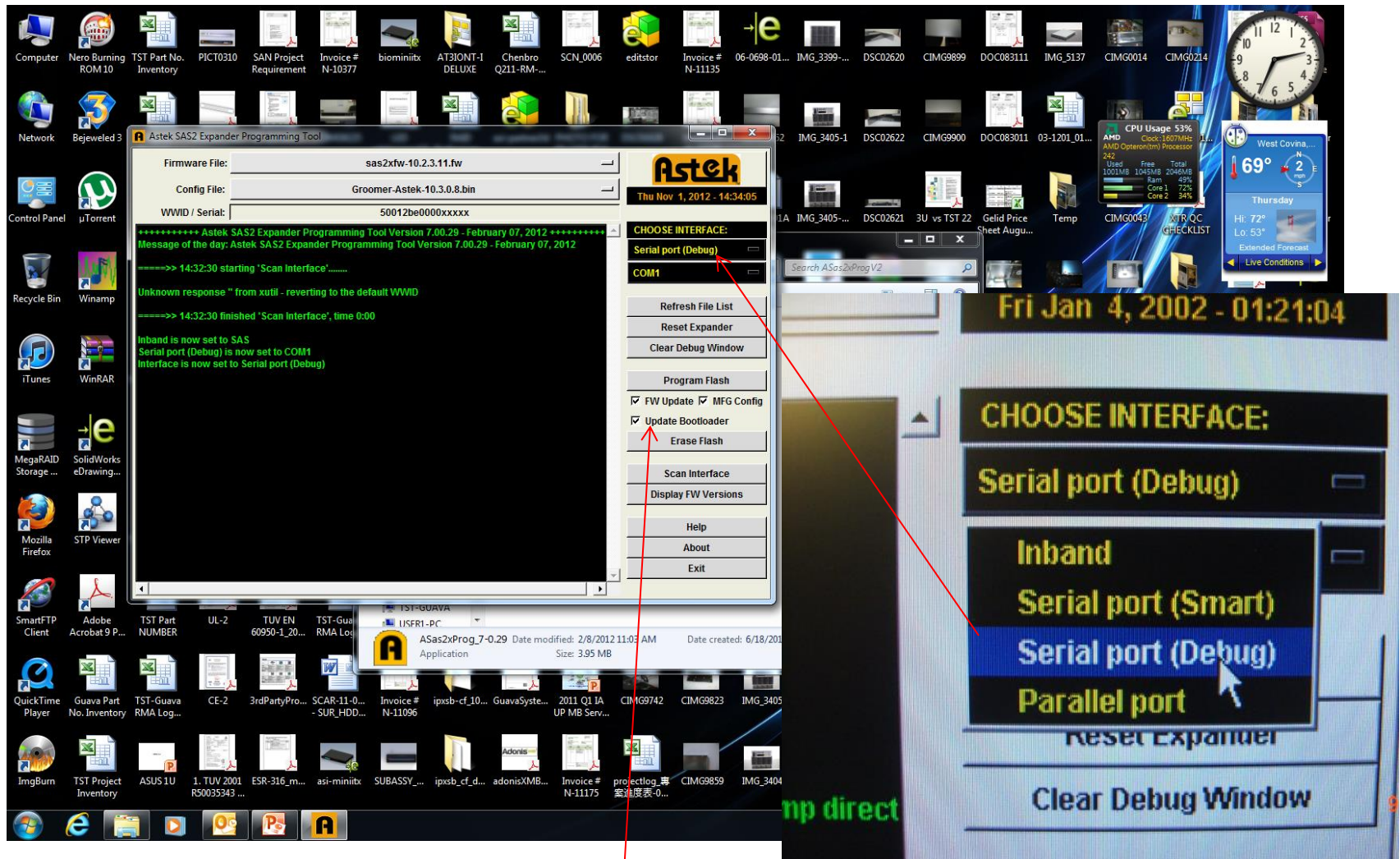
Ensure that the card's "Heartbeat" LED is blinking at a steady rate



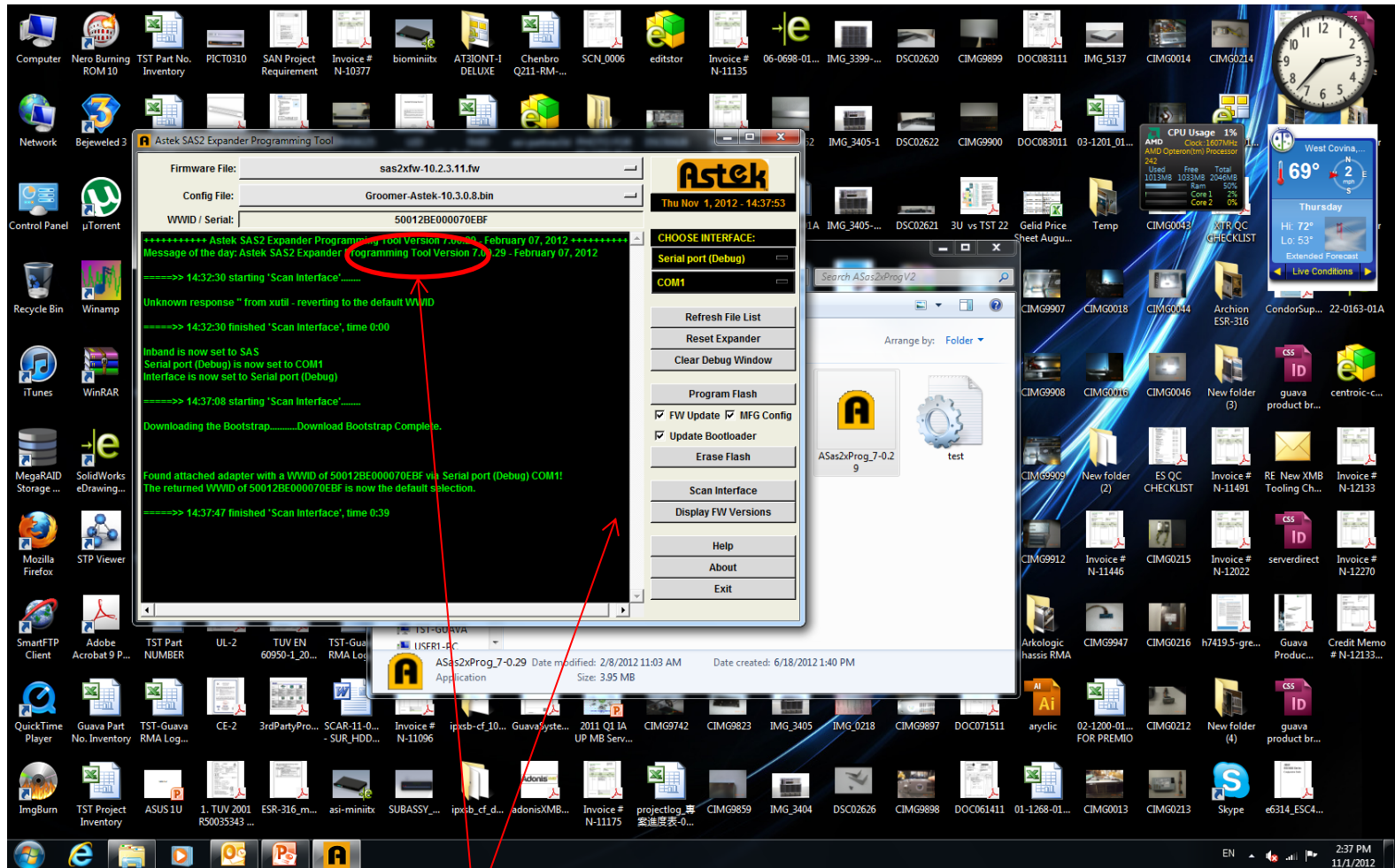
Ensure that no amber lights are lit on the expander card.

Ensure that the Jumpers J11 & J12 are set to the DBG setting as shown

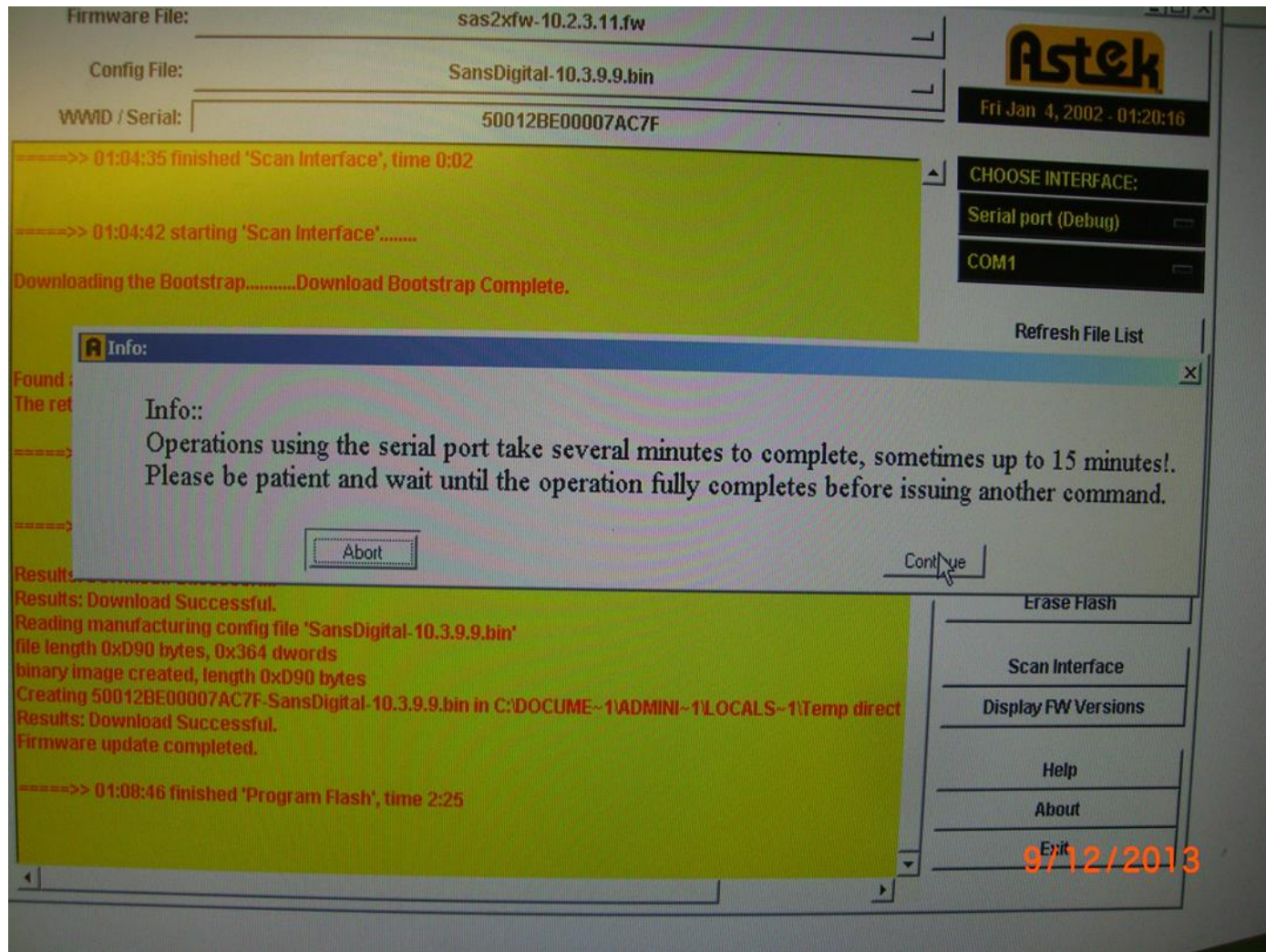




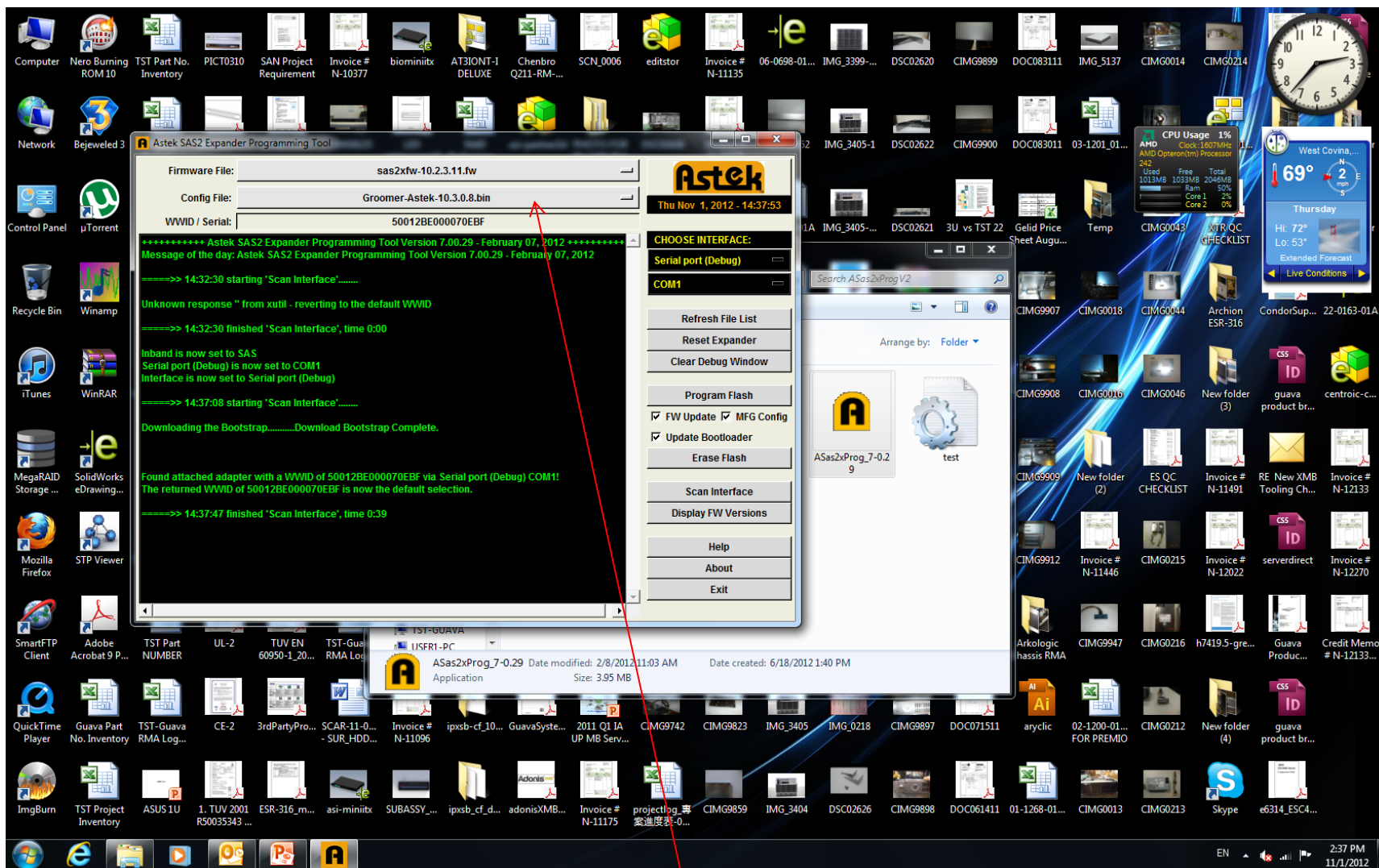
Select "Serial port (Debug)" from the CHOOSE INTERFACE pull-down menu. Select "Update Bootloader".



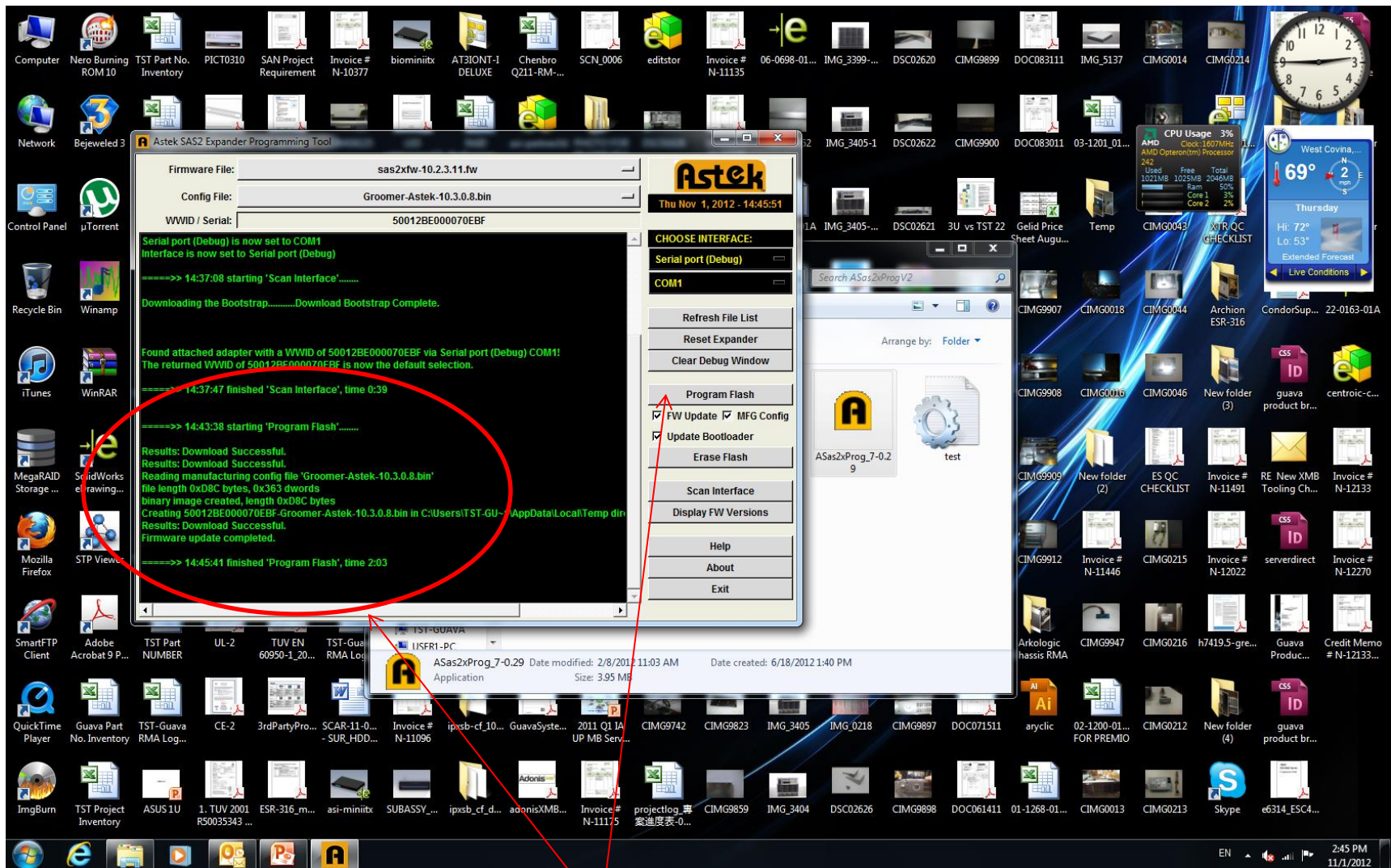
Click “Scan Interface” to attain expander card’s WWID.
Ensure that the WWID is the same as what is printed on the
expander card’s label



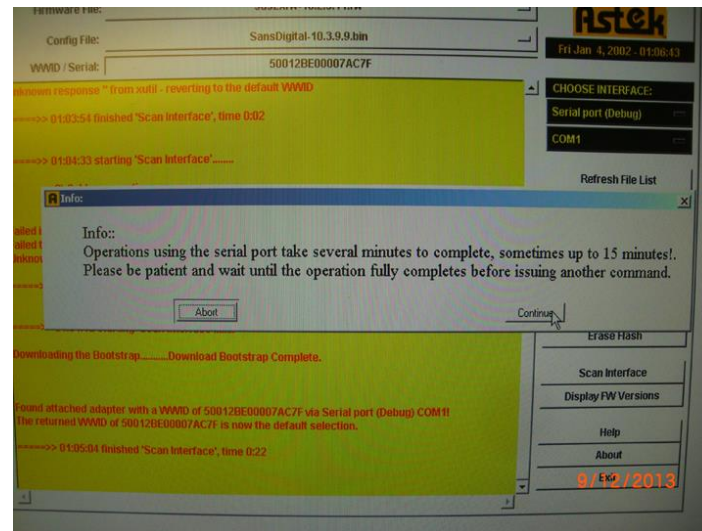
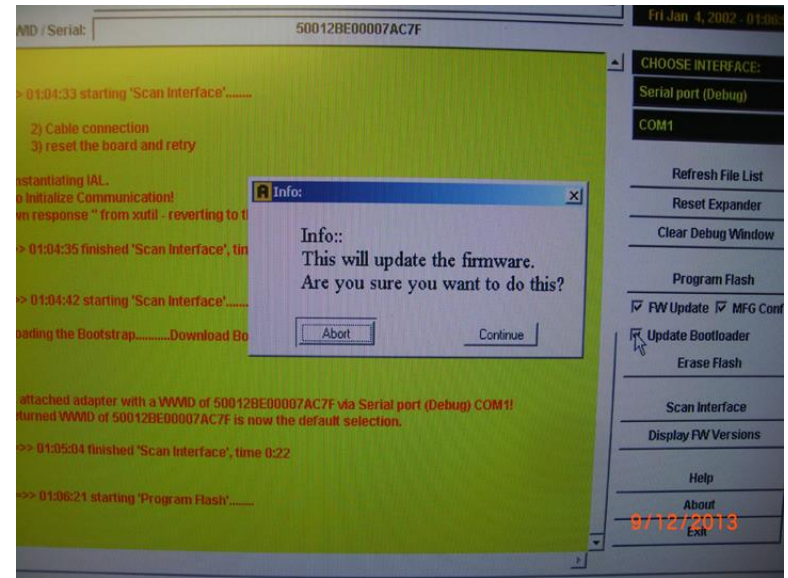
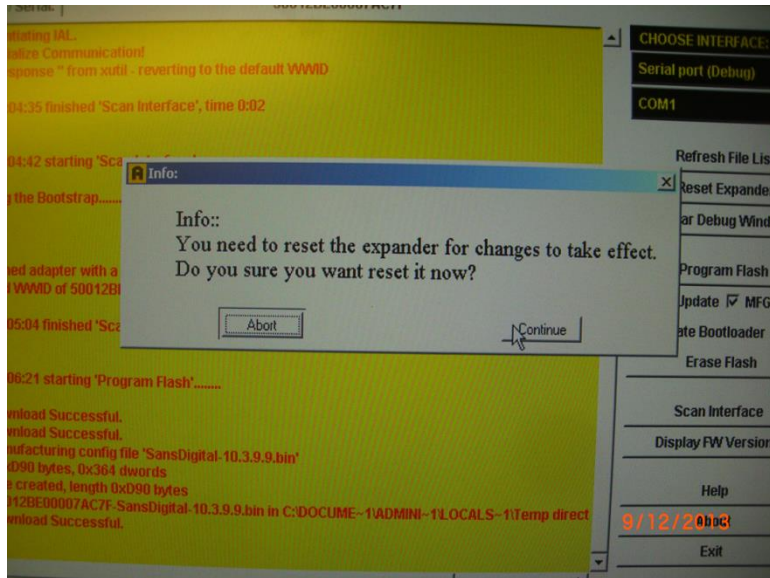
Press "Continue" if this Info window pops up.



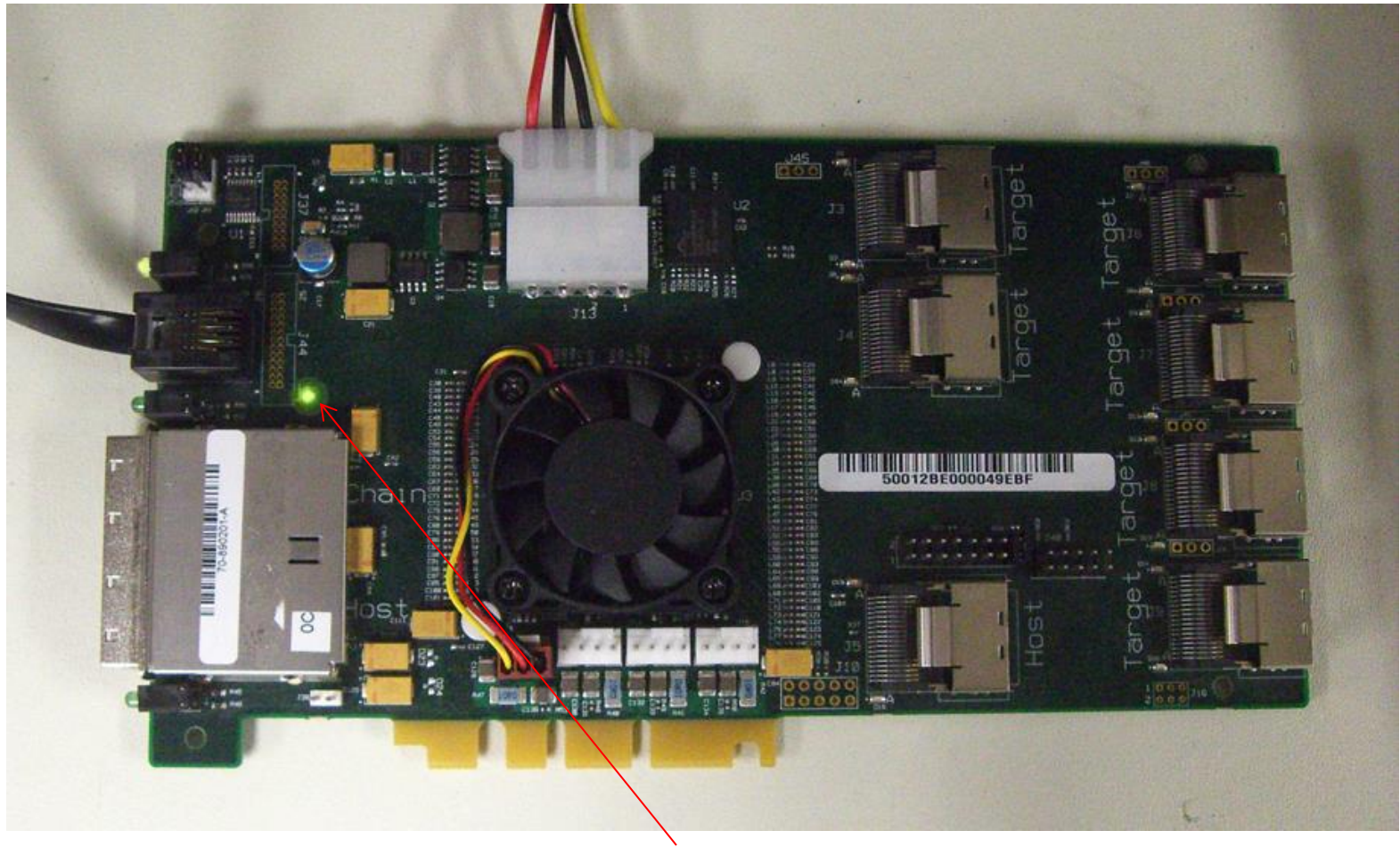
Select desired “Config File”. Current available files in the pull-down menu are Astek, Guava, PDE, and Sans Digital



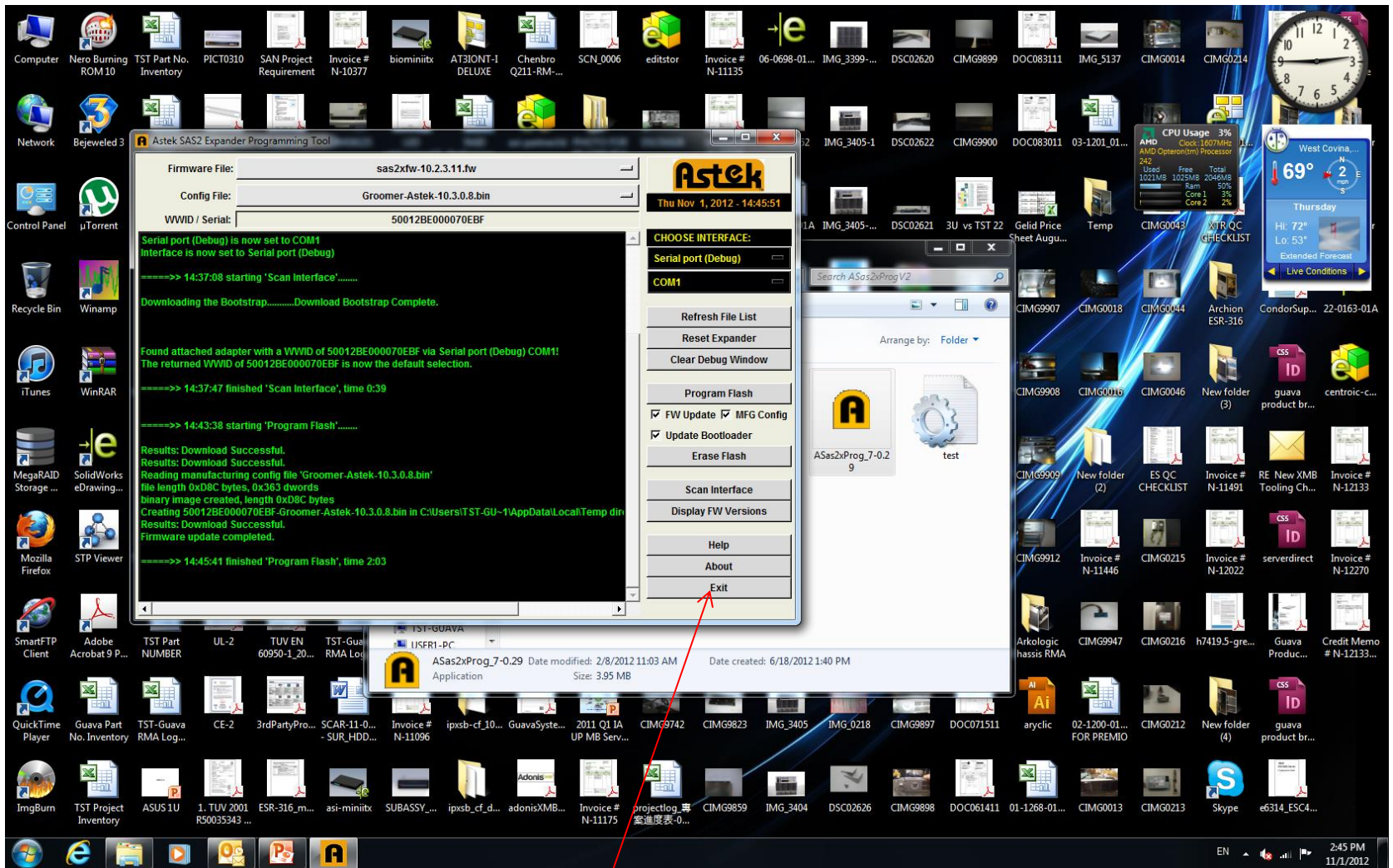
Click “Program Flash” and wait for the entire process is completed as shown in the Log screen.



Click "Continue" when asked to finish the processes.



Ensure that the expander card's "Heartbeat" LED is blinking at a steady rate. This indicates that the card is functioning normally



Exit utility application and power down the system