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LAB 3.1

InForce Computing* SYS9402 System: Out of the Box Experience

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At the end of these labs, attendees will have: 1) Unboxed their InForce Computing* system(s) and prepared them for power-on. 2) Powered on their InForce Computing system(s) to verify operation.

Instructions:

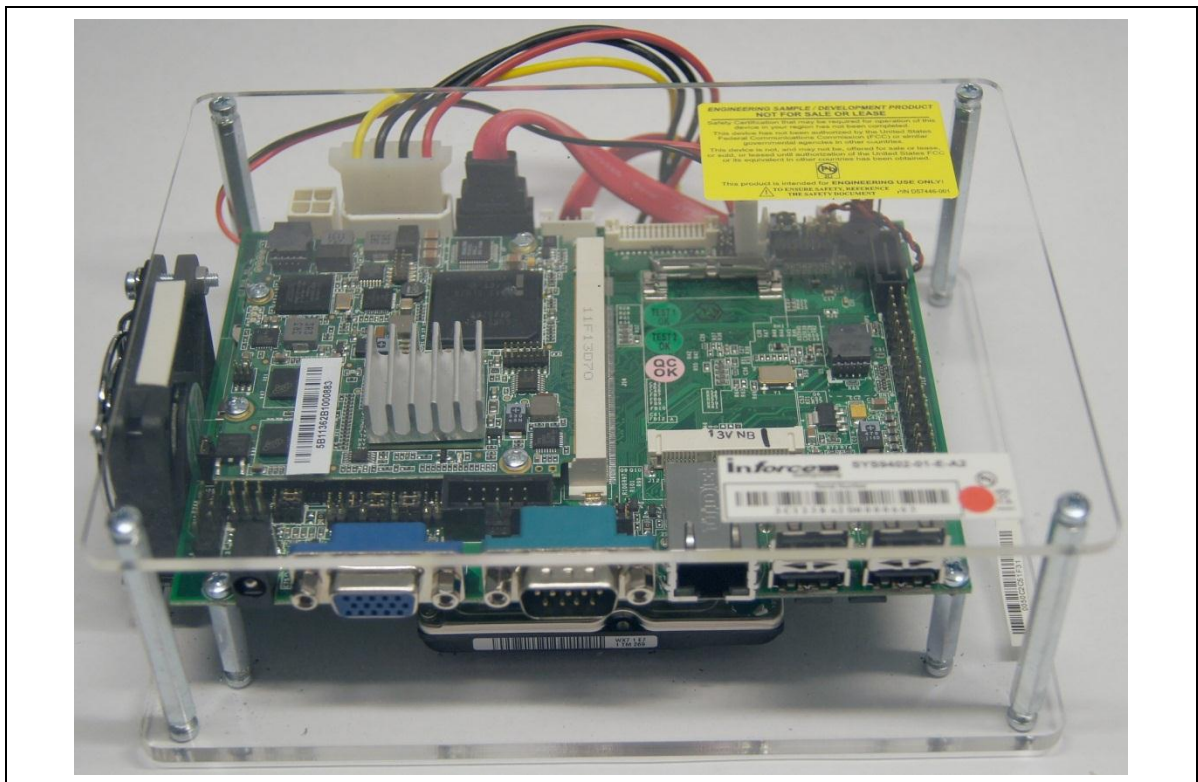
Preparing the InForce Computing* System for Power-On

Prerequisites

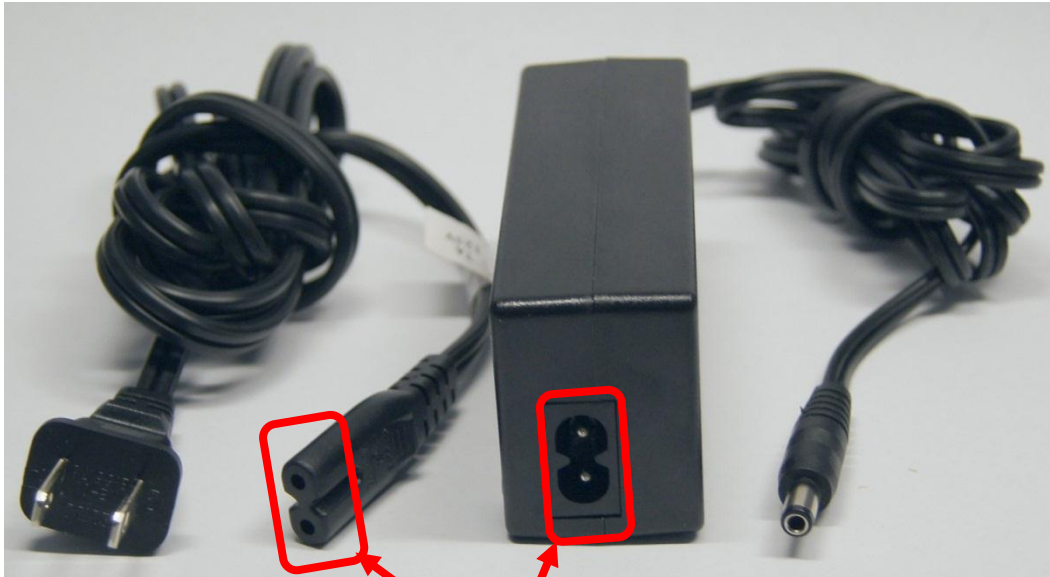
- 1) The fan has been pre-installed into the system. The *InForce Computing* Assembly Instructions.pptx* instructions are available separately to this document, for that purpose.
- 2) The mains supply cable for the power supply suitable for this location has been included with the power supply. Note that the power supply comes with a USA mains supply cable by default
- 3) The InForce Computing system has been untouched aside from fan installation.
- 4) A VGA connector capable monitor, with appropriate cables, is available for each InForce Computing system under test.
- 5) A USB mouse is available for each InForce Computing system under test.
- 6) A USB keyboard is available for each InForce Computing system under test
- 7) A Host PC system, with a RS-232 serial port, is available with appropriate peripherals and cables for each InForce Computing system under test. The serial port could be native or a USB dongle.
- 8) A null modem cable is available for each InForce Computing system under test. One end of the cable should be pre-attached to the Host PC

Installation steps:

- 1) Unbox each InForce Computing system and power supply
 - a. The system should be in 1 piece with no loose components or cables

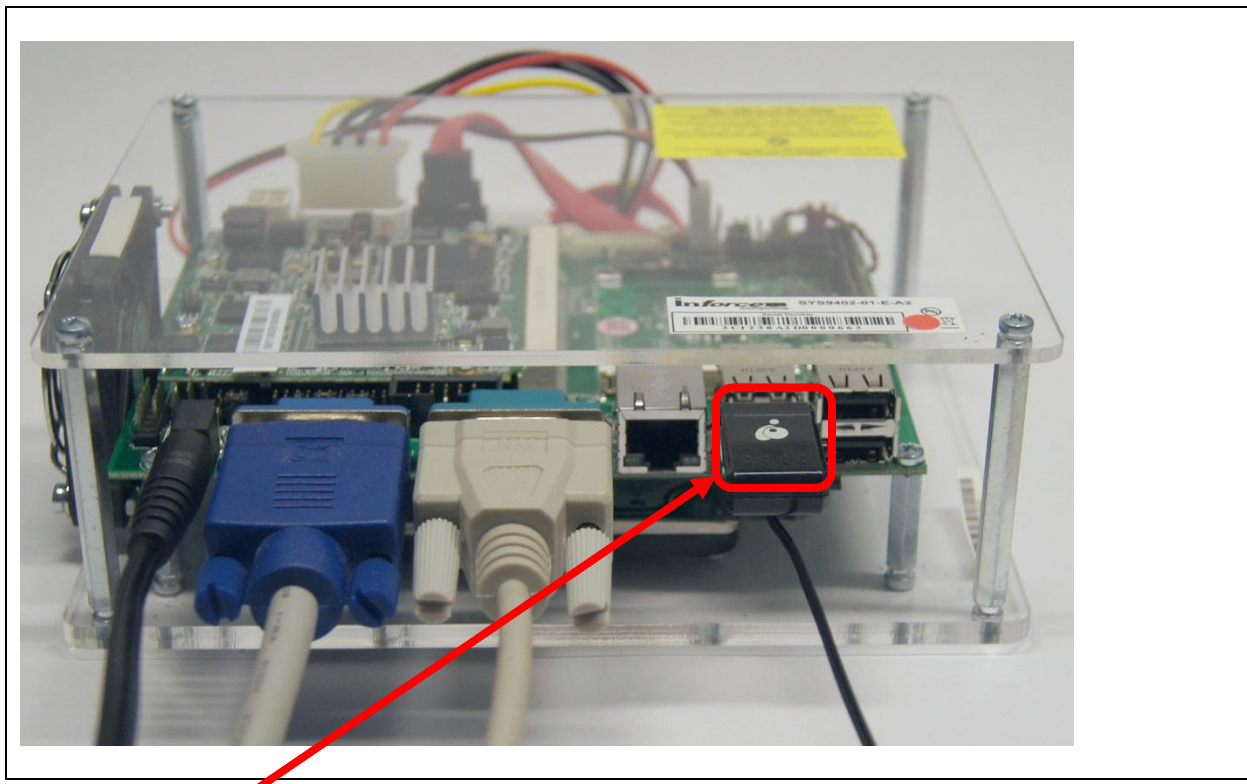
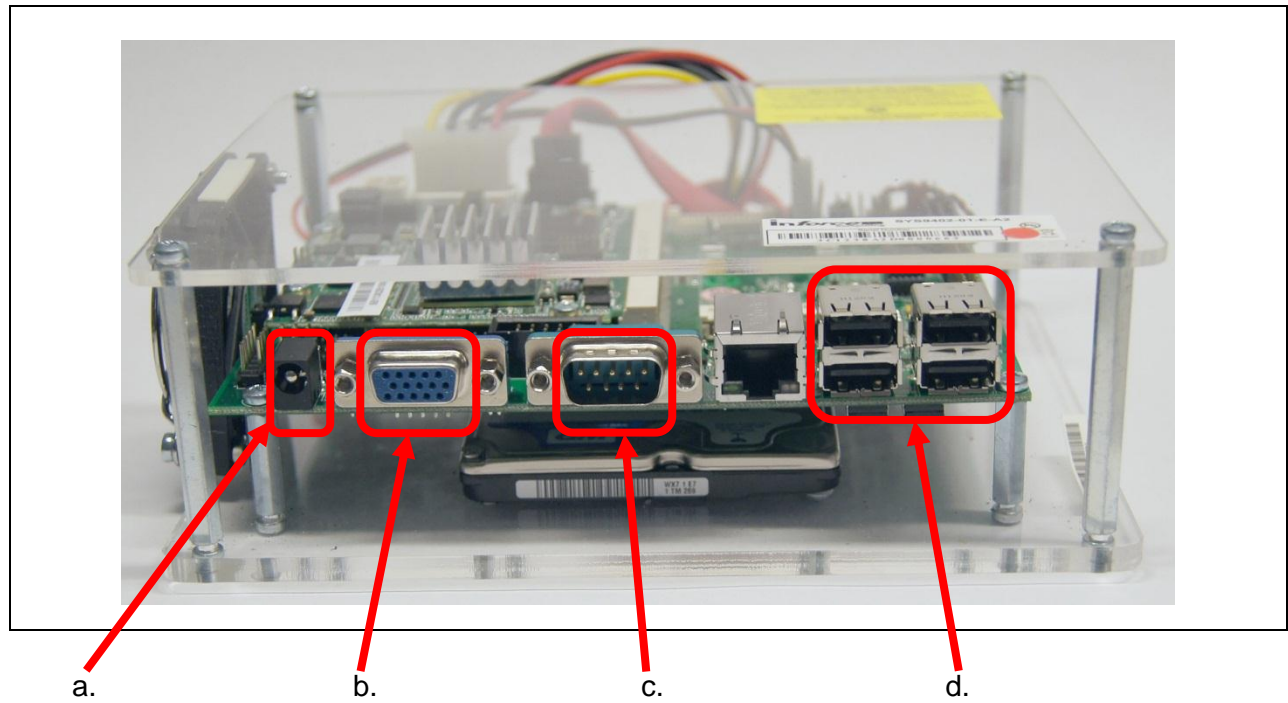


- b. The power supply will be in two pieces
 - i. 1x Power Supply
 - ii. 1x Mains supply cable



'Figure of 8' connectors

- 2) Do not plug the power supply into the mains, at this time, but connect the mains cable 'Figure of 8' connector to the corresponding socket on the power supply
- 3) Now plug the various connectors into the InForce Computing system
 - a. Plug the power supply DC output plug into the system's 12 V DC socket
 - b. Plug the non-monitor end of the VGA cable into the system's VGA socket
 - c. Plug the non-host end of the null modem cable into the system's RS-232 plug
 - d. Plug the USB mouse and keyboard into any of the USB Ports.
 - i. Note: It is recommended to leave one port easily accessible for USB flash drive insertion



Note: In this case, a wireless keyboard is used which is why only a dongle is visible

4) The InForce Computing system is now ready to power on

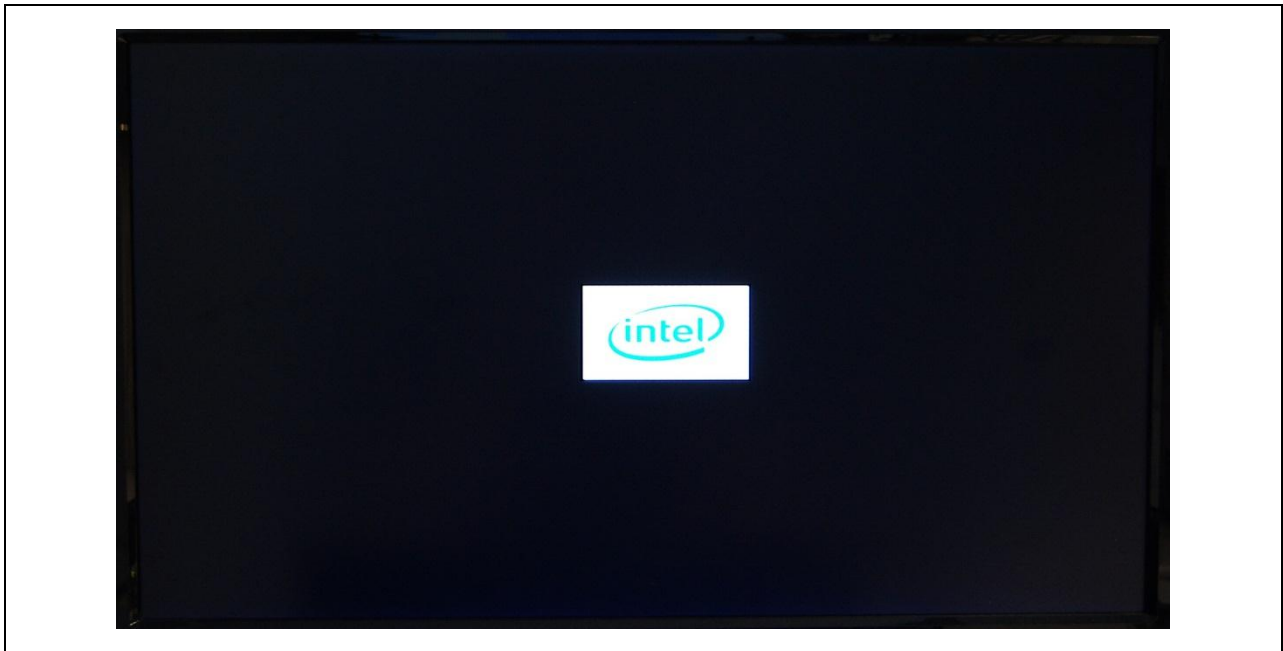
First Power-On

Prerequisites

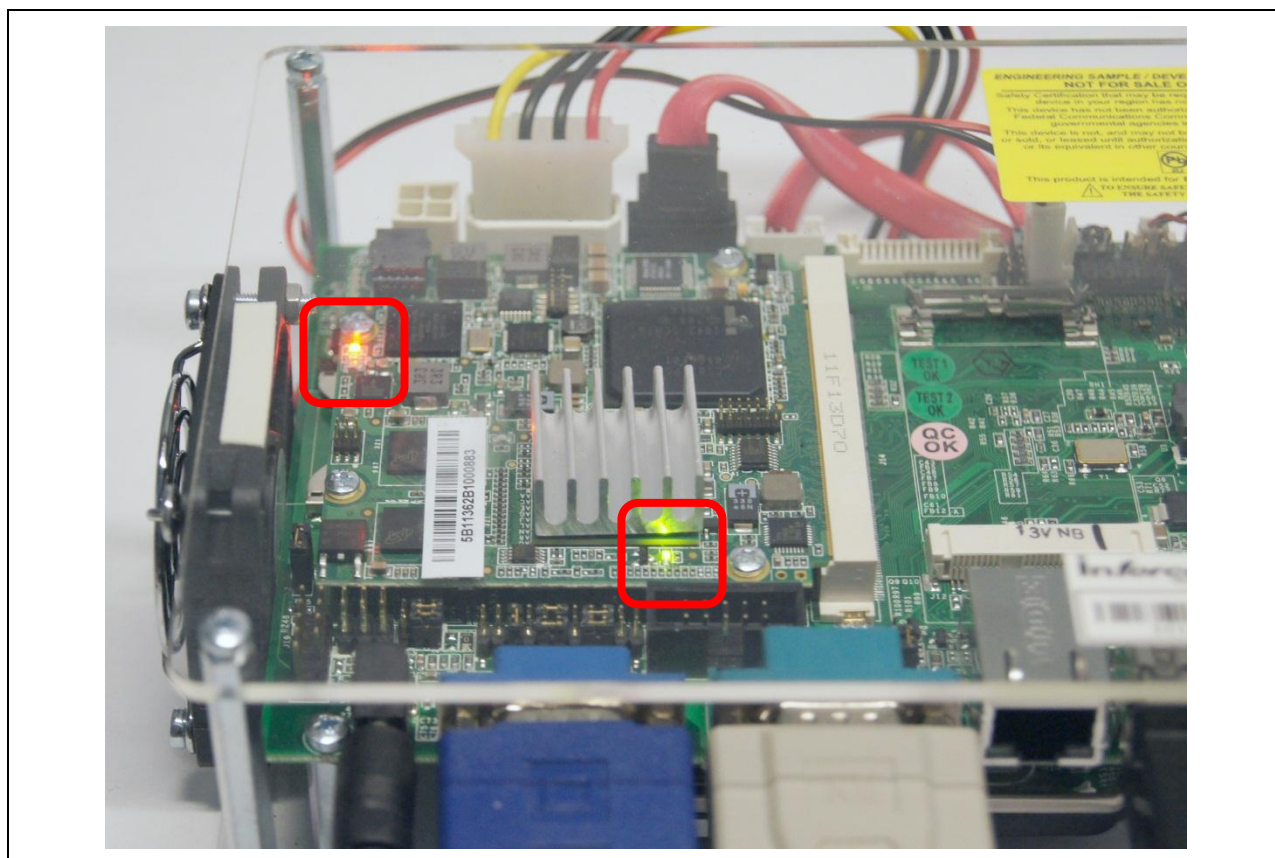
- 1) *Preparing the InForce Computing System for Power-On* is complete and the system is otherwise untouched

Installation steps:

- 1) Switch on the monitor connected to the InForce Computing system
- 2) Connect the mains supply cable to the mains supply
- 3) The InForce Computing system should start powering up, as indicated by
 - a. An Intel logo splash screen on the monitor

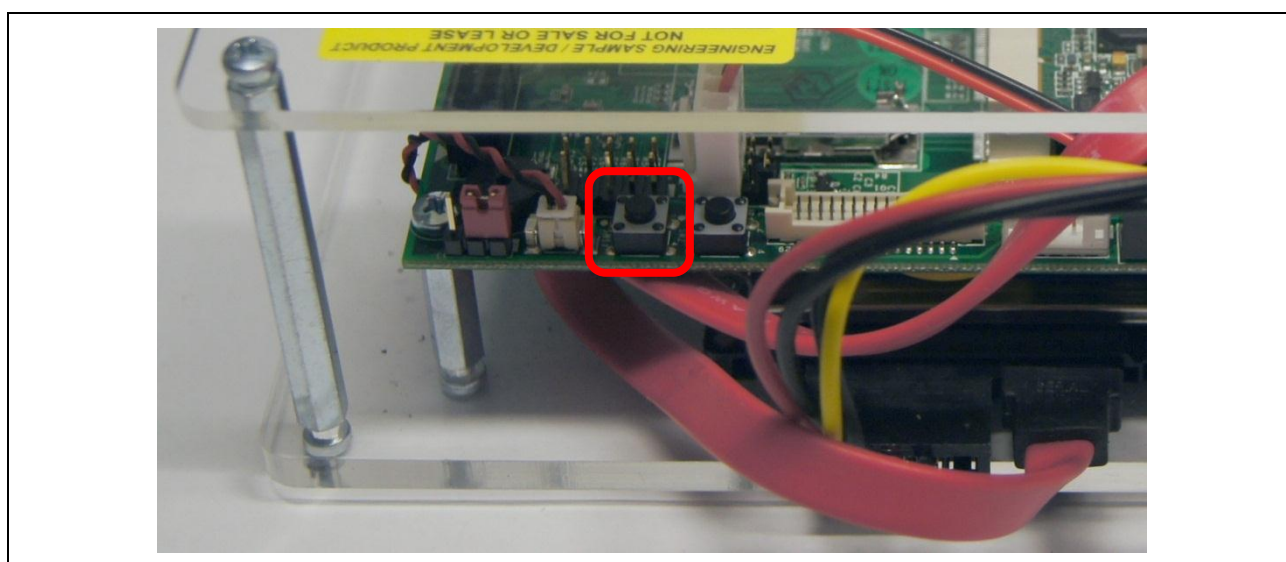


- b. LEDs illuminated on the system mainboard. Note that the Red LED may or may not illuminate on successful boot.

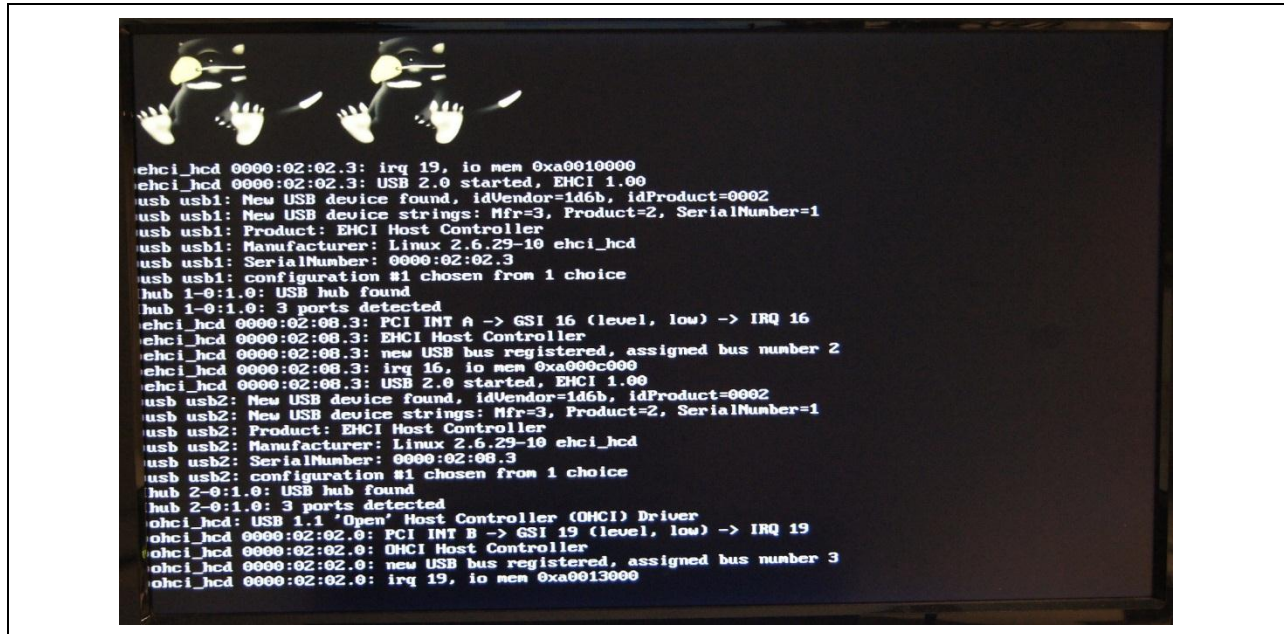


c. The system fan rotating

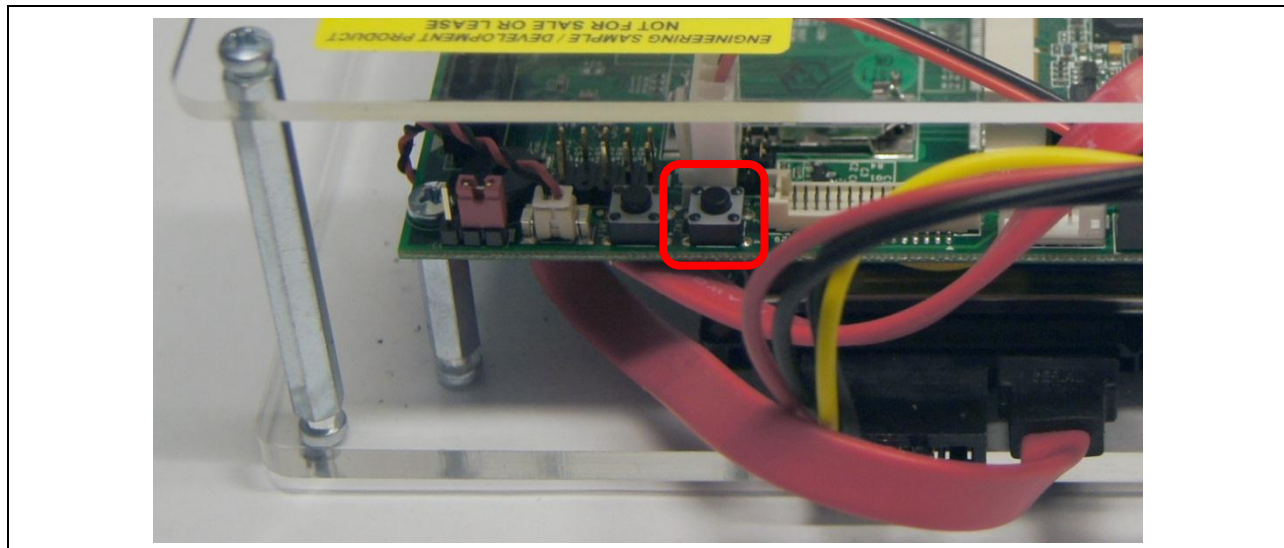
- 4) If the InForce Computing system does not start to power up, press the power switch on the system. The power switch is on the opposite side of the mainboard to the USB, RS-232, VGA and 12 V DC connectors.



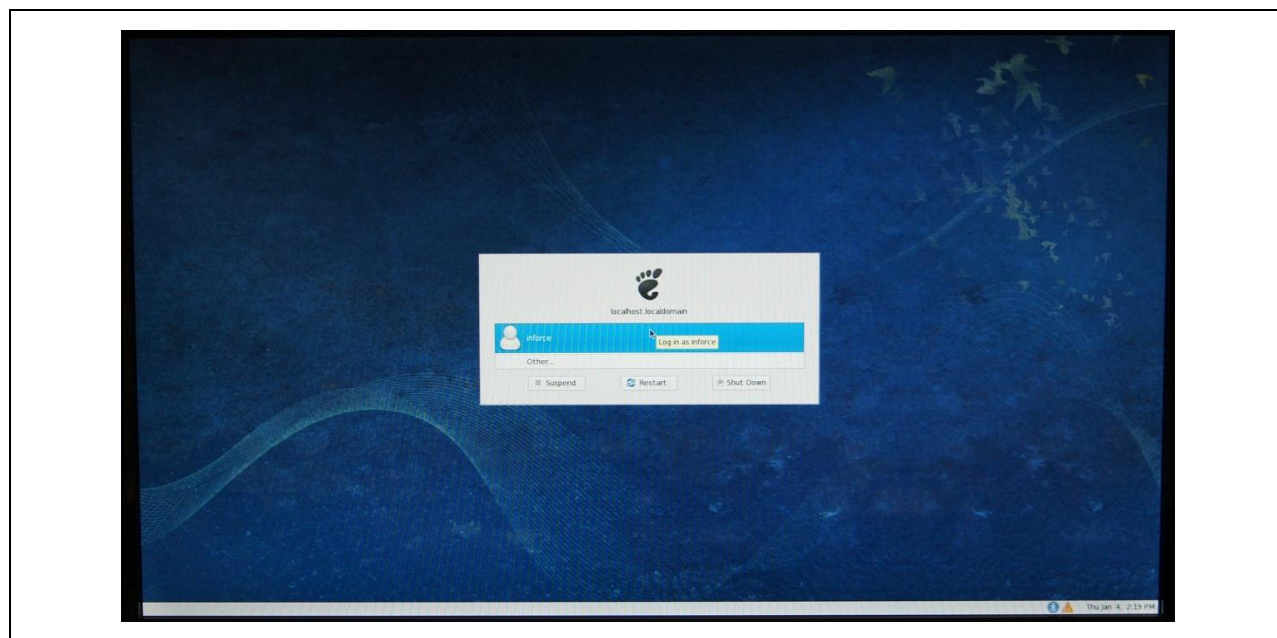
- 5) The first display output should be the Intel logo splash screen. This indicates that the Intel® Boot Loader Development Kit II (Intel® BLDK II) (alpha build) bootloader is running
- 6) A few seconds later, the Timesys* Fedora* 11 Linux* boot screen should appear.



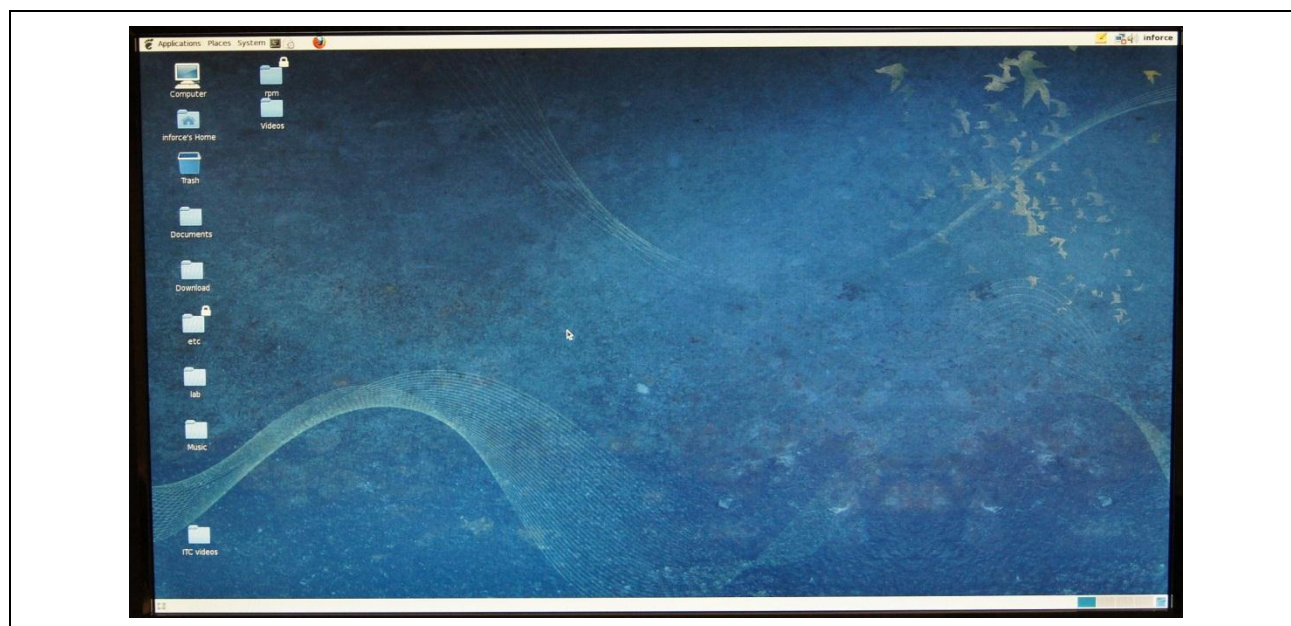
- 7) If the boot screen does not appear, press the reset switch on the InForce Computing system.



- 8) The boot process will run for a minute or two until the login screen appears
- 9) At the login screen, select the *inforce* user and enter *inforce123* as the password.



10) The Fedora desktop should now be visible along with a number of desktop pinned folders.



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