

Pronghorn SBC Dual Radio Quick Start Guide

This guide describes how to bring up the Pronghorn SBC board so that 3rd party software stacks can be installed or software development tasks can begin. This guide identifies the power, serial, and Ethernet connections that may be necessary to perform these activities.

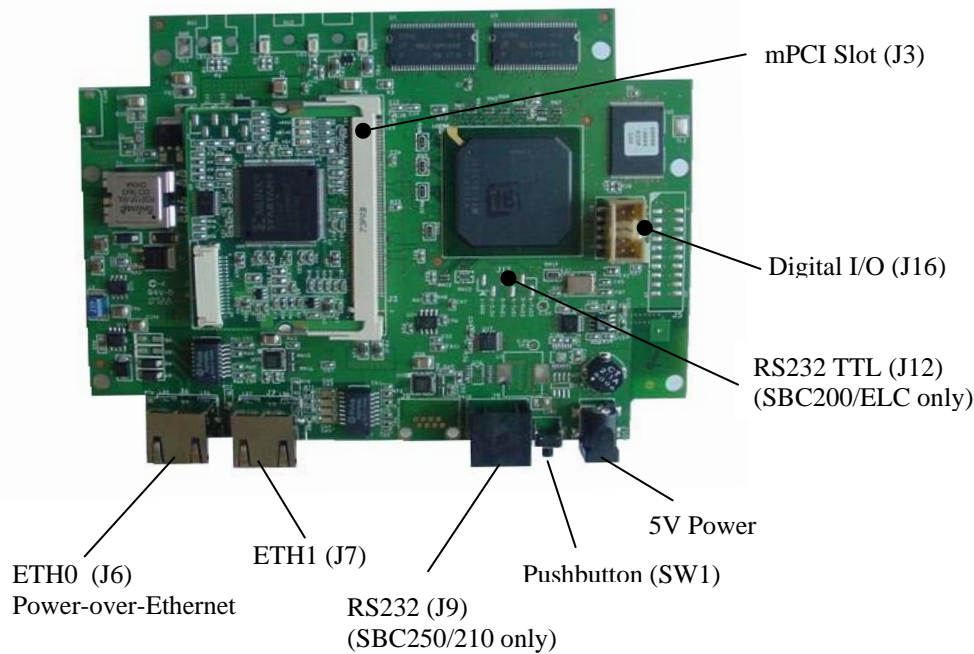


Figure 1 - Pronghorn SBC Top Side

1. Serial cable connections:

- **For models SBC-250, SBC-210**
 - Connect an Ethernet cable to the RJ45-to-DB9 adapter and to the black plastic RS232/RJ45 port (J9)
 - Connect the DB9 end of the adapter to the Host Computer serial port
- **For models SBC-200, SBC-200 (ELC)**
 - Connect the DB9-to-4-pin transceiver cable to the 6-pin header (J12). Orient the cable such that the yellow (or white) wire of the 4-pin connector goes to pin 1 of the 6-pin board header.
 - Connect the DB9 end of the cable to the Host Computer serial port

2. Configure the Host Computer terminal emulator for 115200-N-8-1-N

3. Connect power and Ethernet in one of the following configurations:

- **Line power, or**
 - Connect an Ethernet cable from a DHCP-enabled LAN to the RJ45 port at ETH0 (J6)
 - Connect a 5V/1A DC adapter to the barrel connector at 5V Power (J10)
- **Power-over-Ethernet injector**
 - Connect an Ethernet cable from a DHCP-enabled LAN to the Data port of a Power-over-Ethernet injector
 - Connect an Ethernet cable from the Data & Power port of a Power-over-Ethernet injector to the RJ45 port at ETH0 (J6)

4. A “RedBoot>” prompt will appear on the terminal emulator

LED	Description
LD1	ON indicate Link on ETH1 (J7), Blinking indicates activity
LD2	ON indicate Link on ETH0 (J6), Blinking indicates activity
LD3	Depends on mPCI card in J3 (topside) slot – usually indicates card active.
LD4	RedBoot turns ON shortly after power up – indicates power present and software operational

NOTE: The pushbutton (SW1) is a hardwired reset for the board

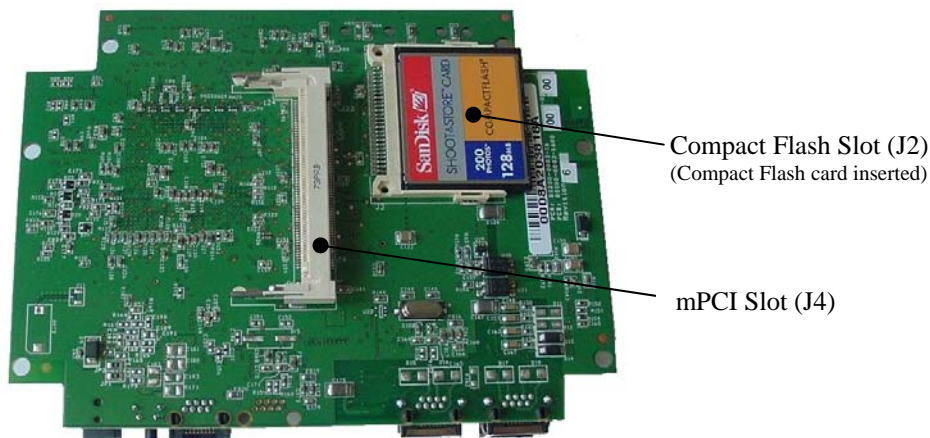


Figure 2 - Pronghorn SBC Bottom Side

Additional Information

Hardware and Software Manuals, Linux BSP and RedBoot source trees, toolchains, etc are freely available on the ADI Engineering webpage for Pronghorn SBC:

http://www.adiengineering.com/php-bin/ecomm4/productDisplay.php?category_id=30&product_id=79

Technical Support

Register for access to FAQ, Message Boards, etc.

<http://www.adiengineering.com/extranet/>