



MPlus5121 Quick Start Guide

Thank you for purchasing an MPlus5121 Advanced Development System for the MPC5121e. This document guides you through getting a quick start with the ADS512101. It does NOT replace all the documentation provided on the CD, but gives you a good starting point.

Contents:

Verify the following is included in the MPlus5121 kit:

- ADS512101 unit (with SN & MAC address label)
- T3300 Case, Power Supply, T3300 hardware box
- XGA LCD, LCD Housing & Mount
- Null Modem Cable
- CodeWarrior CDs
- CD (with SN & MAC address label)
- Warranty & other documents



Host Communications:

Connect the null modem cable from the serial port of the MPlus5121 (see illustration) to the host computer. The host communication port should be set to 115.2K Baud, 8bit data, no parity, 1 stop bit, no flow control. Start the terminal program being used.

Boot Up:

Connect the external power supply to 110 VAC and the MPlus5121. To launch U-Boot, push the power on switch (see illustration). U-Boot will load and be monitored on the host terminal program.

Linux (Freescale):

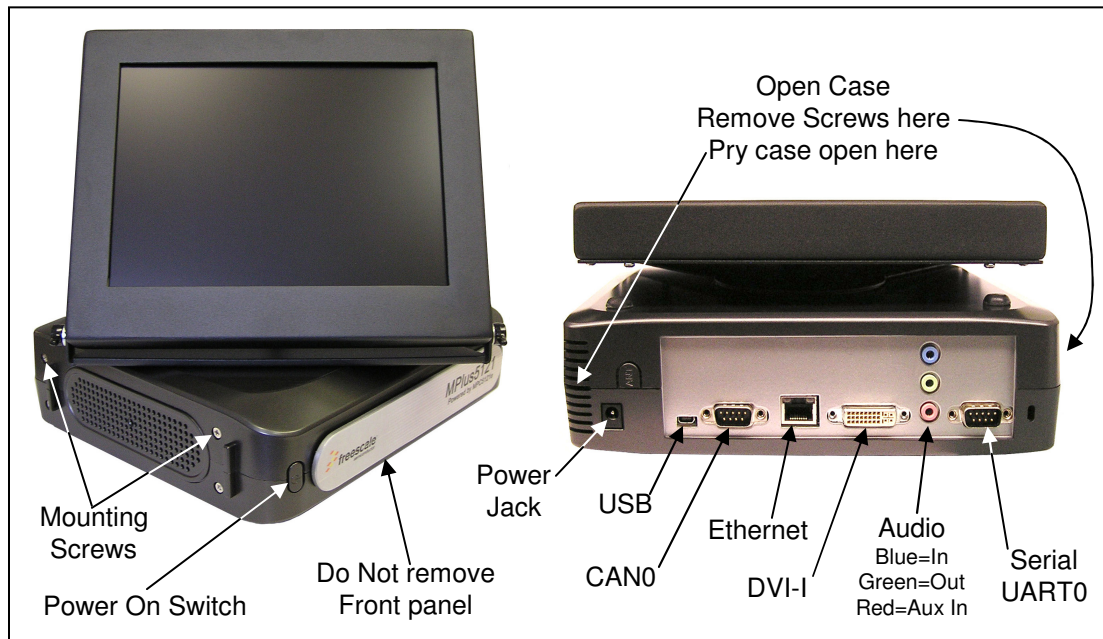
After U-Boot is running, Freescale's Linux BSP has been pre-loaded and will automatically boot, **if you do not hold down any key**. Linux takes several minutes to load and boot. Linux is ready when its prompt appears, **-sh-2.05b#**. Refer to the ADS512101 User Manual included on the STx CD for U-Boot commands and Freescale's Linux information. The User Manual also provides a complete description of all user interfaces for connectors, jumpers, switches and LEDs. (Freescale's Spinning Car graphic demo has also been pre-loaded. To launch this demo at the Linux prompt type **demoloop**).

U-Boot & MAC Address:

For instruction on installing U-Boot or MAC Address refer to the ADS512101 Quick Start Guide or User Manual (include on the enclosed STx CD).

Warranty:

In the next day or two take a few moments to complete the enclosed warranty information. We need this information to assure you are contacted for future software upgrades or MPlus5121 & ADS512101 notifications



MPlus5121 Illustrations

Disassembling the MPlus5121:

The MPlus5121 uses a T3300 mini-ITX case. There are installation instructions included in the hardware box with the MPlus5121. When opening the case **do not** remove the front panel. After the top screws are removed, open the case by prying in the corner shown in the illustration. Use care when lifting the top of the case. There are three cables connecting the LCD to the ADS512101. The LCD signal cable is short and needs to be carefully removed from the connector to allow the case to be completely lifted. Two power inverter cables connect to the inverter on the left side of the case (by the mini-ITX power supply). Power should be removed before disconnecting the inverter cables (each cable has 400Volts). After all LCD cables are removed the top of the case can be entirely removed.

A hard drive tray is mounted with four screws above the ADS512101. This can be disconnected and removed to expose the ADS512101 module. Three mounting screws are used to mount the ADS512101 to the case. After the ADS512101 is removed, there is access to the ADS512101 mini-PCI and micro-SD card on the bottom of the module.

A low-profile, reverse PCI riser card and custom rear IO panel is available from STx to allow the addition of one PCI card.

Support:

Your MPlus5121 does include technical support from STx. If you should encounter any start up problems or if the MPlus5121 does NOT include all the material, immediately email ADS512101@silicontkx.com and provide your name, contact information, SN, and problem. STx usually can resolve most issues within 24 working hours.