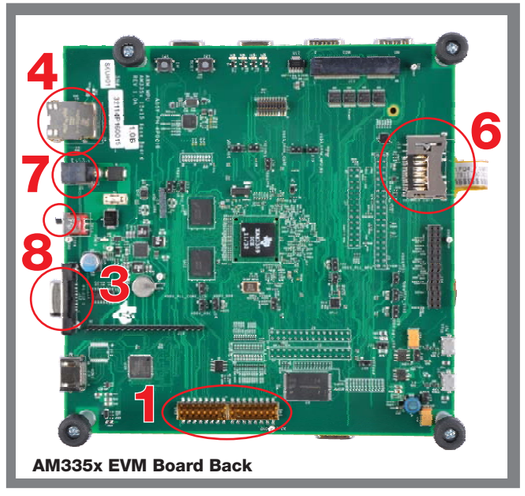
Welcome to the AM335x Evaluation Module (EVM) Quick Start Guide. This guide is designed to help you through the initial setup of your EVM. This EVM allows you to experience both Linux™ and Android™ operating systems that showcase the AM335x Cortex™-A8 processor, 3D graphics, Wi-Fi™/*Bluetooth*® based on WL1271, and much more. The AM335x EVM contains the following:

- Hardware
  - AM335x general-purpose baseboard with:
    - AM3358 processor
    - TPS65910 power management IC
    - WL1271 Wi-Fi/*Bluetooth* module
  - AM335x general-purpose daughtercard with:
    - additional I/O
    - audio
    - navigation
  - 7" WVGA LCD touchscreen daughtercard
  - USB and serial null modem cables
  - Stylus
  - Universal power supply with regional adapter
  - USB SD card reader
- Printed documents
  - AM335x EVM Quick Start Guide (this document)
  - Android and Linux SDK SD card contents sheet
  - Software license agreement
- Software and soft copy documents
  - AM335x Linux Software Development Kit (SDK)
  - AM335x Android Development Kit

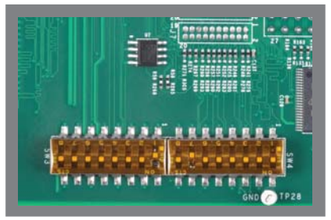


AM335x EVM Board Back

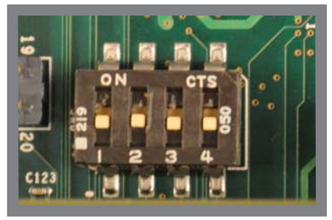
AM335x EVM Board Front

*2 SW6 switch is located beneath the flap

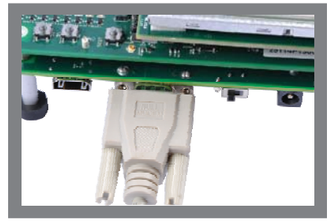
Default setup (OS boot from SD card)



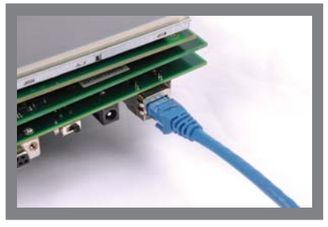
1 Verify SW3/SW4 DIP switches are set as shown. SW3/SW4 are located on the back of the AM335x EVM.



2 Ensure SW6 DIP switch is set as shown (OFF). SW6 is located on the AM335x daughtercard.

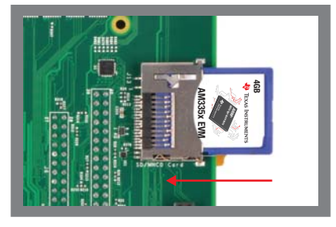


3 Connect the supplied serial null modem cable to the UART DB-9 (J12) connector located on the AM335x baseboard. NOTE: You must use the supplied cable or another serial null modem cable. There are five additional UARTs for development but cannot be used for demo purposes.



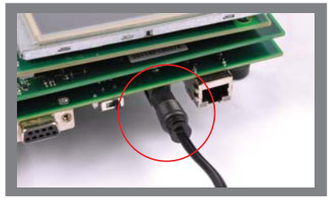
4 Connect the Ethernet cable to the RJ-45 jack located on the AM335x baseboard. Connect the other end of the cable to an Internet-enabled router or Ethernet switch.

5 Remove the protective plastic from the LCD touchscreen.

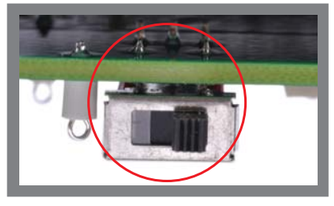


6 Choose the OS demo of interest and insert the appropriate SD card into the AM335x EVM as shown.

Continued on following page

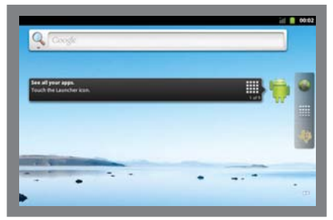


7 Connect the power cable to the power jack on the baseboard.



8 Set SW1 on the AM335x EVM baseboard as shown. NOTE: Power is on when switch is nearest the power cable.

Linux™ demo



Android™ demo

9 You are now ready to explore the corresponding OS demos which include various example applications and demos. Using a stylus, click on any icon to start the demo and click “exit” (if available) to quit the demo.

10 Next Steps
(Prepare your workstation for software development)

To prepare your workstation for software development, power off the kit, remove the SD card and insert it into the included SD card reader. Follow the instructions below for the corresponding OS.

Linux Software Development Kit
From a Linux host PC, insert the reader into any unused USB port and from the START HERE folder, run setup.htm.

Android Development Kit
If the Android SD card is connected to your host PC, locate the START HERE folder on the SD card and view setup.htm.

Note: Mounted to this EVM is a UL-approved, RoHS-compliant Lithium rechargeable battery (Seiko MS920SE: Nominal voltage 3V, Nominal capacity 11.0 mAh, UL File No. MH15628); this battery should only be replaced by a trained technician.

For more information on AM335x or to download the latest software, please visit **www.ti.com/am335x**.

For information regarding the WL1271 solution, visit: **www.ti.com/connectivitywiki**.

For support questions, please contact: **support@ti.com** or **www.ti.com/e2e**.

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For more information:
www.ti.com/am335x

Texas Instruments

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