

Getting Started

The EVM ships with HUA out of box(OOB) demo and Power On Self Test(POST) preloaded. The HUA demo is loaded into NOR flash and the POST is loaded into EEPROM.

At power ON all User/Debug LEDs are ON by default. Once OOB/POST execution completes the User/Debug LEDs will turn OFF.

The default EVM boot mode/configuration switches are set such as to run HUA OOB demo automatically at power ON. To see the output of HUA demo please refer steps 1 to 5 presented in this Quick Setup Guide.

Please refer to the EVM User Guide for software installation and other details

Important Notes when handling the EVM

- Plug in all the cables before powering ON the EVM to ensure proper grounding.
- Do not unnecessarily flex the boards, while inserting cables. Excessive flexing can break the PCB traces.
- Use proper ESD procedures when handling the EVM.
- Warning: Some components on the EVM may be too hot to touch with your bare hand when power is on.

Online Documentation

- TMX320C6657 processor website
<http://www.ti.com/product/TMS320C6657>
- MCSDK BIOS reference:
<http://e2e.ti.com/support/embedded/bios/default.aspx>
- CCS support link:
http://e2e.ti.com/support/development_tools/code_composer_studio/default.aspx

C6657 EVM Information:

<http://www.einfochips.com/TI-TMDXEVMC6657L.php>

This link contains

- Hardware & Software details
- User Guide
- Technical Reference Manual
- TMS320C6657 Datasheet

C6657 EVM Support:

Please write to evm6657support@einfochips.com for technical queries related to this EVM.

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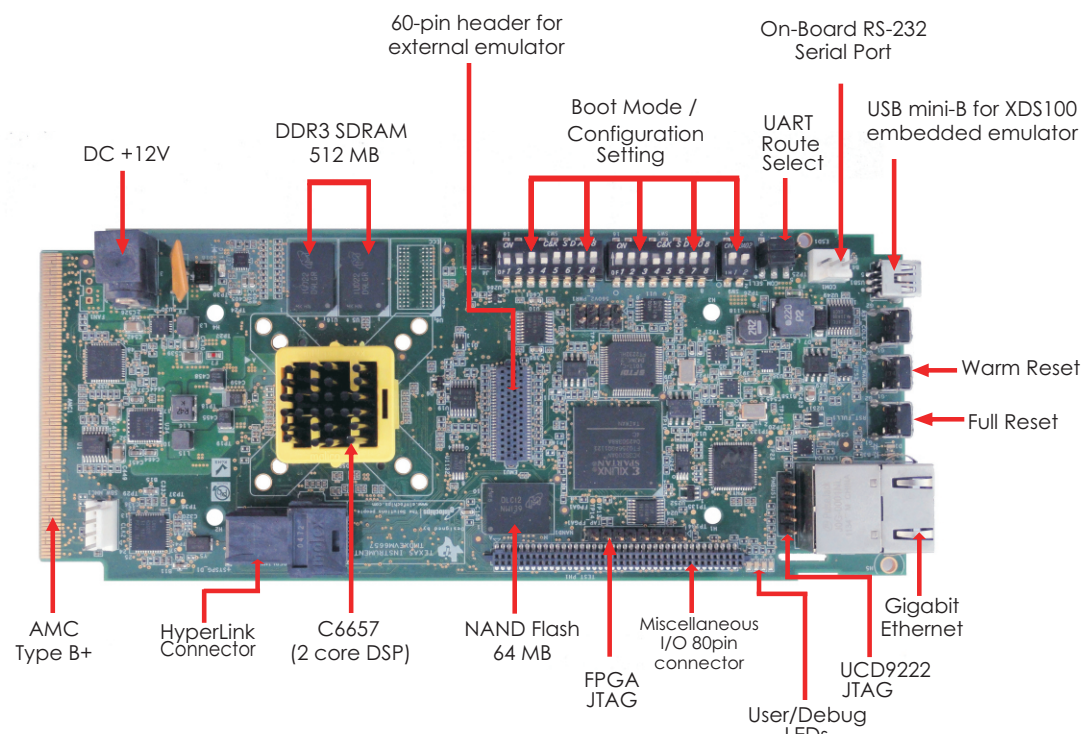


TMX320C6657 Evaluation Module Quick Setup Guide



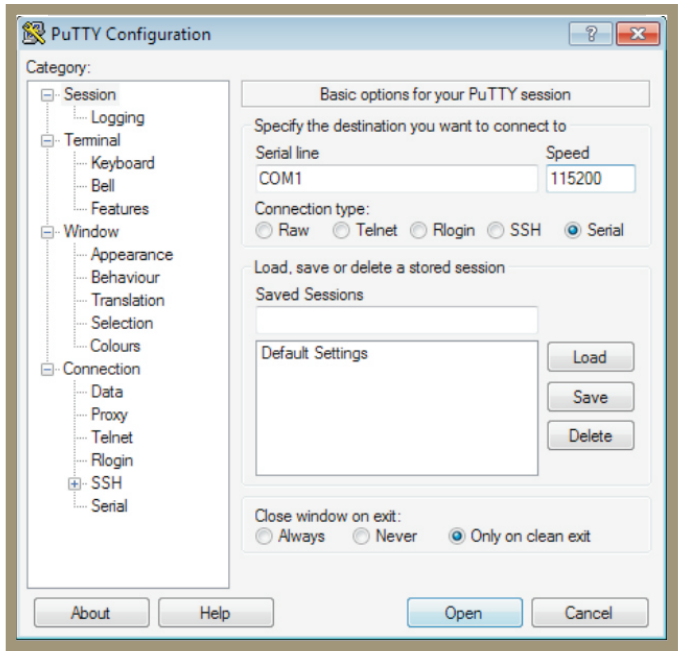
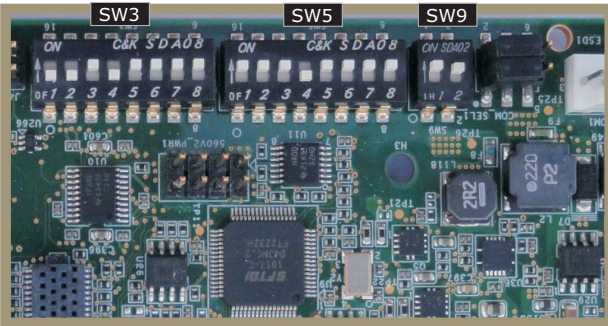
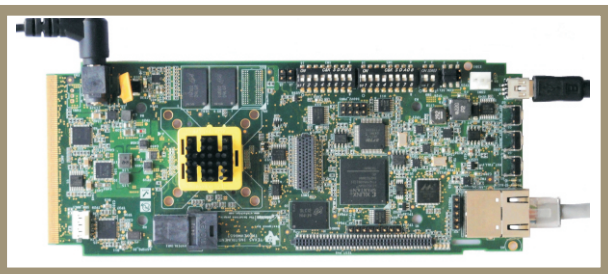
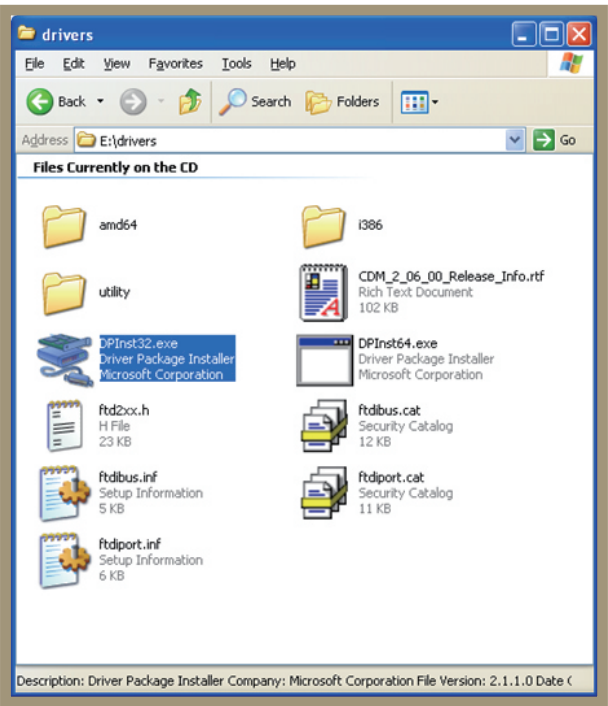
TMDXEVM6657L

TMX320C6657 Evaluation Module

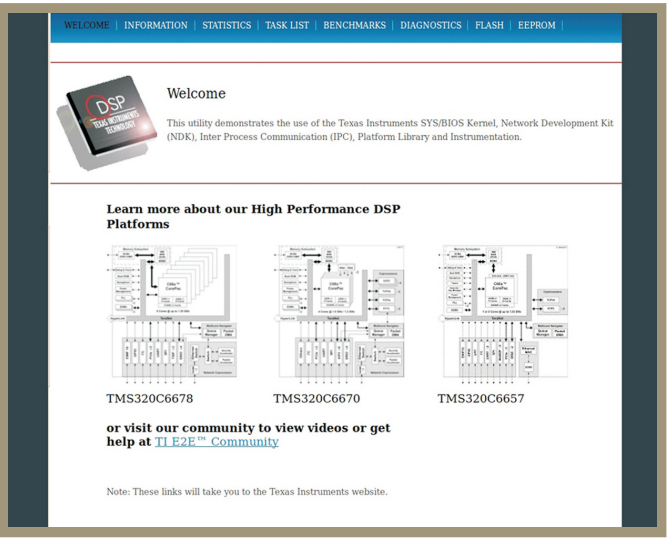


The TMDXEVM6657L (Evaluation Module) kit includes:

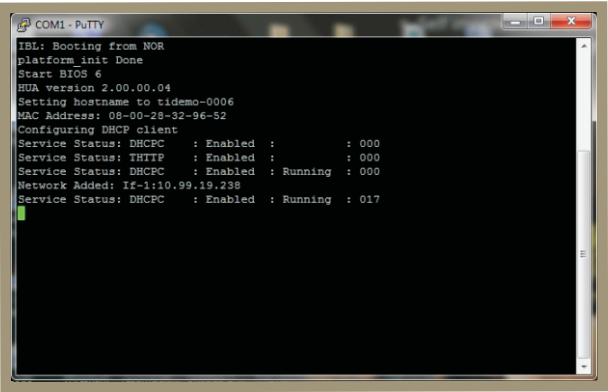
- TMX320C6657 Evaluation Module
- Power adapter and power cord
- USB cable for on-board XDS100 JTAG emulation
- Ethernet cable
- RS-232 serial cable
- Software (DVD) and documentation



Open your preferred serial console window (TeraTerm, HyperTerminal, PuTTY) and connect to the COM port for the EVM using the these configuration settings.



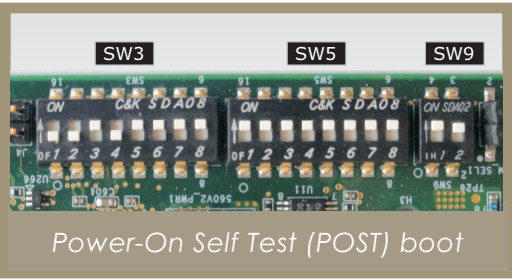
Open the web browser, copy the IP address (10.99.19.238) from step 4 to the web browser.



Press RESET_FULL button on the EVM. Allow 40 seconds for the BIOS Out-Of-Box (OOB) Demo to complete booting. The demo acquires an IP address from server and displays it on console. If IP address do not display on console, re-press RESET_FULL button. Copy the Network Added: Inf-1: IP address from serial console screen.

Notes:

1. Additionally, this EVM has Power On Self Test(POST) boot mode settings. The settings of the EVM configuration switches (SW3, SW5 and SW9) for power-on self test boot is shown as figure. Press the RESET_FULL button after changing switch settings and follow HyperTerminal setting in step 3.



2. Follow the READ_ME_FIRST instructions for installing tools, MCSDK 2.0 and demos on your PC.
3. Refer to the Getting Started Guide under MCSDK for details on boot configurations.
4. Visit the following website for the latest MCSDK updates:
<http://www.ti.com/tool/bioslinuxmcsdk>