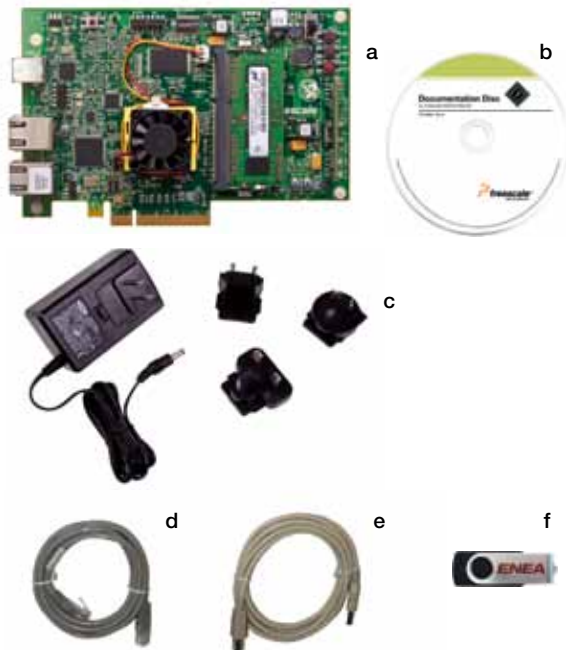


# MSC8156 Evaluation Module (MSC8156EVM) Quick Setup Guide

STEP  
1

## Verify Kit Contents

Verify that all kit contents are included.



- a.) MSC8156EVM with attached plastic spacers and screws
- b.) One CD with documentation files.
- c.) AC/DC 12V/3.0A wall plug and adapters.
- d.) Ethernet cable (1)
- e.) USB cable Type A to Type B (1) USB
- f.) ENEA software and documentation thumb drive

STEP  
2

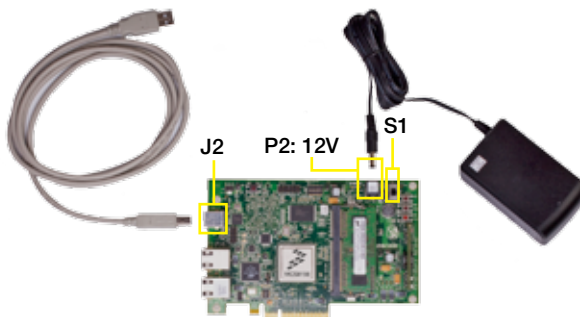
## Default Settings

The board is shipped with default settings. For questions about the settings, access the Hardware Getting Started Guide on the enclosed CD. Verify the default settings for Switches using Section 5 and Jumpers using Section 7.

STEP  
3

## Assemble the Power Supply

- For standalone mode, assemble and connect the 12-V power supply using the following steps:
- a.) Make sure that all power is turned off.
  - b.) Assemble the AC/DC power supply kit, as follows:
    - Attach the power cable with the country specific wall output plug for your area.
    - Attach the cable with the plug for the board connection.
  - c.) Connect the AC/DC power supply cable to the 12 V (P2) board jack.
  - d.) Plug the power cable into the wall outlet.
  - e.) Insert one end of the USB cable into J2, the board USB socket. Insert the other cable end into the USB port on a PC.



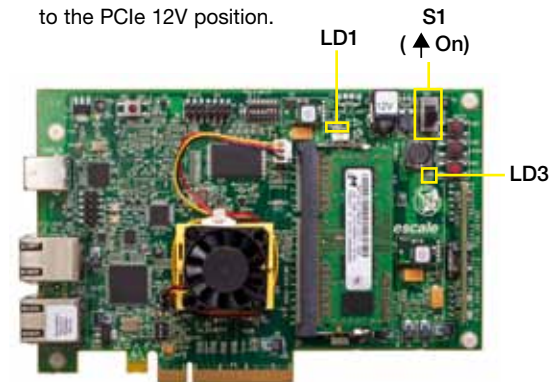
**Note:** In PCI Express® mode, power comes from the connecting PCI Express board.

STEP  
4

## Power Up and Power Off

Perform the initial power up and check using the following steps:

- a.) Move the power switch (S1) to the ON position. After the PORESET sequence completes; LDs 1 and 3 should display a constant green light.
- b.) Power the system off by moving the power switch (S1) to the PCIe 12V position.



STEP  
5

Turn to the following page for software loading instructions.

**Note:** The instructions describe a basic inventory of the EVM contents and mechanical setup for a standalone system. Refer to the Hardware Getting Started Guide and MSC8156EVM Reference Manual for other configuration details.

## STEP 6

### Load the Software

The MSC8156EVM is supported by an evaluation version of the CodeWarrior for StarCore DSPs software. To obtain your 60-trial version, connect your PC to the internet. Because of large file sizes, a high-speed interface is preferred.

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#### Download



Click to download CodeWarrior Suites, evaluation versions, updates, patches, and board support packages.

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- Follow the on-screen instructions to complete the download.

For detailed instructions on how to complete the installation and extend your license agreement, see the MSC8156EVM Software Installation Guide on your documentation CD.



ENEAS USB Memory Stick.

A complementary evaluation version of ENEA's OSEck real time operating system with installation guide and running instructions. Please consult the supporting documentation contained on the USB Memory Stick for further information.



Documentation CD.

Copies of supporting documentation and software, including copies of the Hardware Getting Started Guide, the MSC8156 Evaluation Module (MSC8156EVM) Reference Manual, and other product documentation. For a complete list of current documentation for the products in the MSC8156 family supported by this board, refer to [freescale.com](http://freescale.com).

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