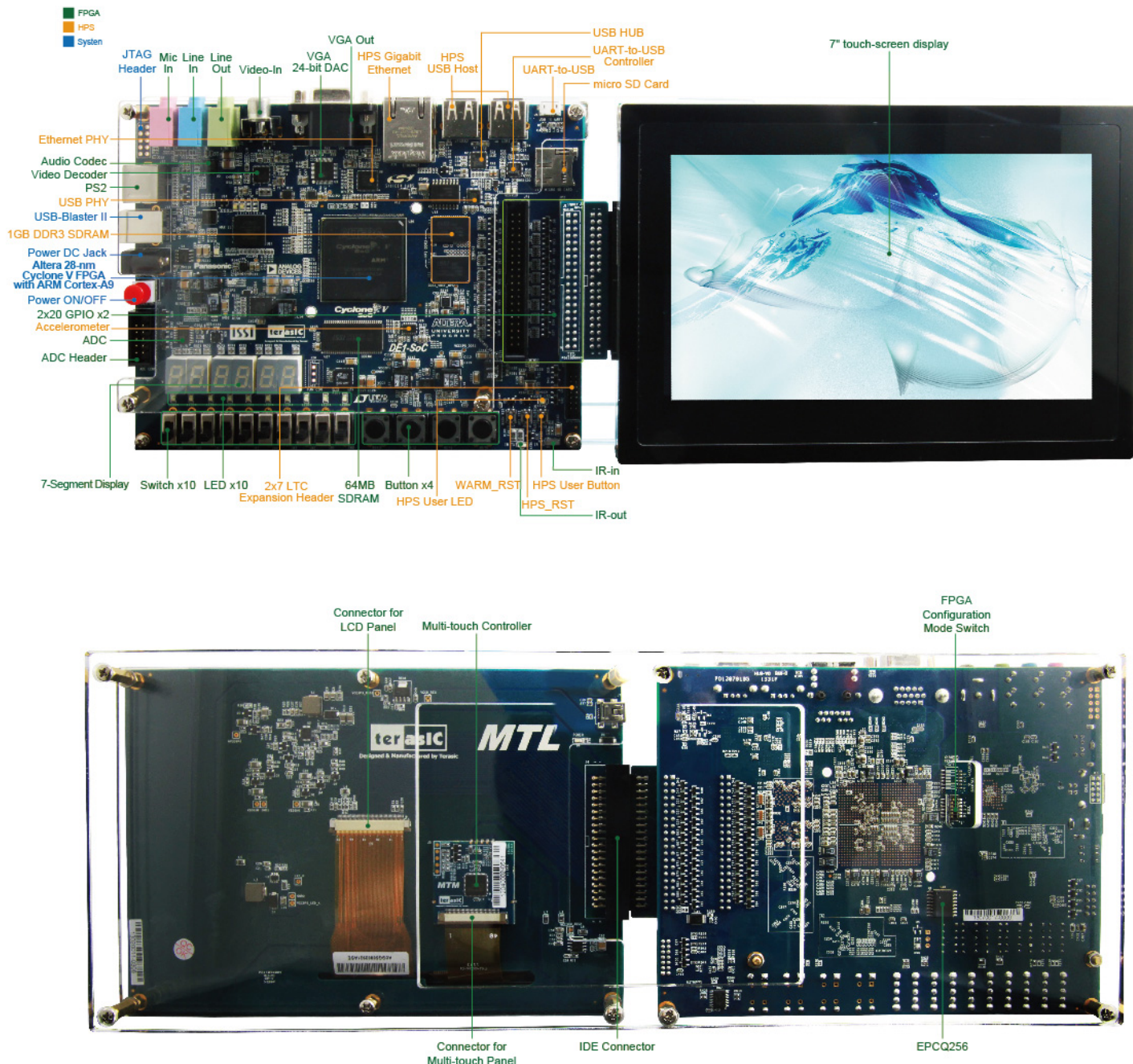


# DE1-SoC-MTL

## Quick Start Guide ▶▶▶



### Getting Help

Should you encounter any problems, please contact us via:

✉ Email: [support@terasic.com](mailto:support@terasic.com)

☎ Tel: +886-3-5750-880

[www.terasic.com](http://www.terasic.com)

## What's in the box?



- 1 DE1-SoC-MTL Kit
- 2 Quick Start Guide
- 3 microSD Adapter
- 4 8GB microSD Card
- 5 Card Reader
- 6 Type A to Mini-B USB Cable
- 7 Type A to B USB Cable
- 8 Power DC Adapter (12V)

▲ The 8GB microSD card is pre-programmed to contain the LXDE Linux Desktop.

## Resources

▲ For the System CD and Linux image files of this package, please download from the link below:

 <http://cd-de1-sock-mtl.terasic.com>

▲ For the FPGA project design, please refer to the document "*DE1-SoC-MTL\_User\_manual.pdf*".

▲ For the touch-screen software project design, please refer to the document "*Software Development Guide for touch-screen display.pdf*".



<http://cd-de1-sock-mtl.terasic.com>

### DE1-SoC-MTL System CD Contents

| Directory Name | Contents   |
|----------------|--|
| Manual         | Documents including the user manual and software programming guide |
| Demonstrations | FPGA and SoC design examples                                       |
| Datasheet      | Datasheets of major components on the touch-screen display module  |
| Schematic      | Schematic of the touch-screen display module                       |
| IP             | Encrypted touch controller   |
| License        | IP license of touch controller                                     |

## Power On Test

- 1 Plug in a USB keyboard to the DE1-SoC board as shown below.
- 2 Plug in the 12VDC power to the DE1-SoC board.
- 3 Power on the DE1-SoC board.

- 4 When a login prompt message appears on the LCD, scroll down from the keyboard and select "More..." then press ENTER.
- 5 Type "root" and press ENTER.
- 6 Type "terasic" and press ENTER.
- 7 The LXDE Desktop will appear on the LCD display.
- 8 Use touch-screen to select the system menu.

