Board Set Up

- 01. Connect one end of the USB cable to the micro-B USB OTG (Debug) connector (4) on 10 Board and the other end to a USB port of your PC. Start an hyperterminal program like Tera Term, connect to the COM port for your board and change the baud rate to 115200.
- O2. Connect a 5V USB power source to the micro-B USB OTG (Power) connector (18) on CPU Board to power WaRP7. You should see two Green LEDs lighting.The hyperterminal window should now display UBoot and Linux boot messages.
- O3. Connect the MIPI DSI flex cable (21) to the MIPI DSI connector in mark (5);
- 04. Connect Touch flex cable (22) to the LCD touch interface in mark (6);
- 05. For more help on WaRP7 board setup, consult the Hardware quide at www.element14.com/warp7







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Please visit www.element14.com/warp7 for additional information and resources including:

Documentation

Hardware guide, data sheets, schematics and more

Software and Development Tools

Download the lastest tools, source code, Android and Linux, images for programing the WaRP board

Discussion and Support

Find answers to FAQ, post questions and contribute to the community.



Next Generation Internet of Things and Wearable Development Platform WaRP7 development platform has been designed to facilitate and expedite internet of things and wearable design.

The Kit comprises of:

- WaRP7 CPU board
- WaRP7 IO board
- Lithium-Polymer battery
- [Optional] Color LCD with touch (available separately)

WaRP7 CPU Board



Lithium-Polymer battery



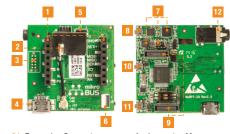
WaRP7 IO board



Color LCD with touch (available separately)



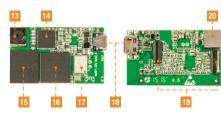
WaRP7 IO Board



- 01. Expansion Connectors
- 02. NFC Antenna
- 03. JTAG Connector
- 04. Debug USB
- 05. MIPI DSI Connector
- 06. LCD Touch Interface
- 07. Sensors (Altimeter,

- Acclerometer-Magnetometer, Gyroscope)
- 08. S1 Reset Button
- Board to board connector
- 10. S2 User Defined button
- 11. S3 On/Off
- 12. Audio Jack

WaRP7 CPU Board



- 13. MIPI CSI Camera14. Power Management IC
- 15. Memory 8GB eMMC w/ 4GB LPDDR3
- 16. i.MX7S (ARM® Cortex®-A7 and Cortex® -M4 cores)
- 17. Wireless Module Wifi 801.11b/g/n + BT/BLE
- 18. USB OTG (power)
- Board-to-Board Connectors
- 20. MIPI CSI Camera Connector

Color LCD with touch



- 21. MIPI DSI interface
- 22. I2C Touch interface In
- Warp7 product. it's an integrated module with display and touch features.

 LCD Type: TFT

Lob Type: 1F1
Input voltage: 2.8V
Backlight Type: LED
Interface Type: MIPI/I2C
Active Area: 31.9mm*31.9mm
Number of Dots: 320RGBX320
Power consumption: 226mW