

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 latest tools, source code, Android and Linux, images for programming the WaRP7 board

Discussion and Support

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

WaRP7

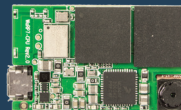
Next Generation Internet of Things and
Wearable Development Platform

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)

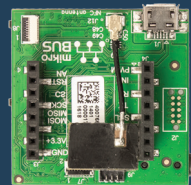
WaRP7 CPU Board



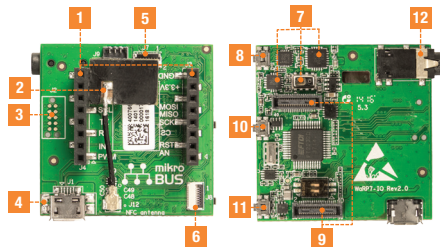
Lithium-Polymer battery



WaRP7 IO board

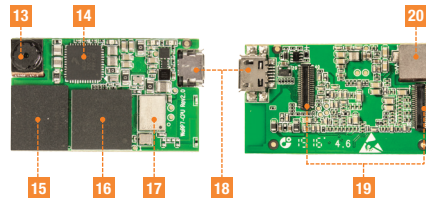


WaRP7 IO Board



- 01. Expansion Connectors
- 02. NFC Antenna
- 03. JTAG Connector
- 04. Debug USB
- 05. MIPI DSI Connector
- 06. LCD Touch Interface
- 07. Sensors (Altimeter, Accelerometer, Gyroscope)
- 08. S1 - Reset Button
- 09. Board to board connector
- 10. S2 - User Defined button
- 11. S3 - On/Off
- 12. Audio Jack

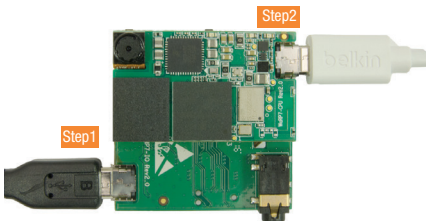
WaRP7 CPU Board



- 13. MIPI CSI Camera
- 14. 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)
- 19. Board-to-Board Connectors
- 20. MIPI CSI Camera Connector

Board Set Up

01. Connect one end of the USB cable to the micro-B USB OTG (Debug) connector (4) on IO 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.
02. 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.
03. For more help on WaRP7 board setup, consult the Hardware guide at www.element14.com/warp7



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