Warpx - Open Source Wearable/IoT Embedded Platform
＞ warpx.io Community

What is demonstrated

**Warp** is our ultra small form-factor, application processor based embedded system running the latest Linux kernel and Yocto OS, designed for wearables, sensors, and IoT devices.

＞ 1Ghz ARM / 512MB Ram / 4GB Flash / Wi-Fi+BT / more
＞ Self contained compute platform
＞ Can be battery powered (on-board charger/monitor)
＞ Lots of I/O: GPIO, UART, SPI, I2C, EPDC, I2S, more
＞ Open-hardware and open-source platform

Hybrid Design Architecture

HDA defines a messaging architecture which enables rapid prototyping and easy expansion of Warp with application specific peripherals using a traditional MCUs as a sensor hub. This differs from traditional carrier boards since Warp is fully self contained.

What was improved

Efficient Battery Usage
Achieves very low sleep currents
＜ 13mW in suspend

Fast to Boot & Resume
Boots in seconds (＜ 5s depending on configuration) and resumes near instantly (typ. under 200ms).

Small Form Factor
At 16mm x 38mm in size, Warp can easily be integrated into designs and speed up development.

Source code & detailed technical information available

Join our community and find sources at:
＞ warpx.io