PocketBeagle® Rapid Prototyping Demos

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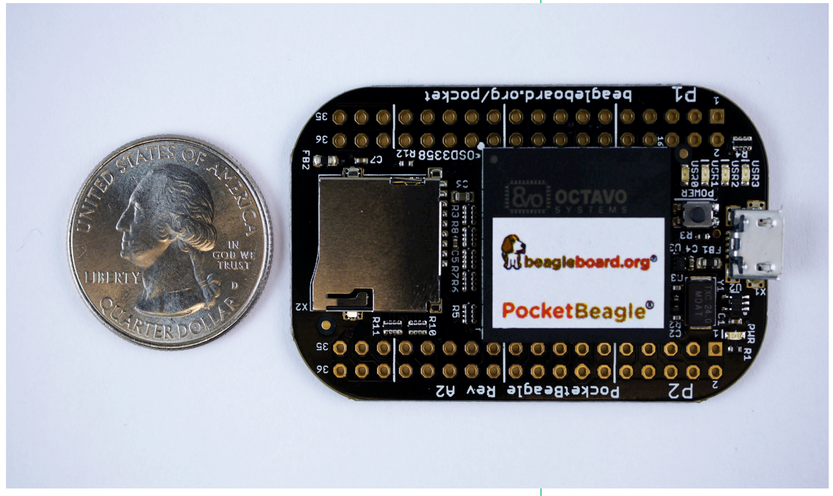
What is demonstrated

New Tiny Open Hardware Linux Computer

- Self-hosted web IDE
- Debian Linux system
- Community supported
- Educational Platform

Variety of Applications

- CubeSats
- Home Automation
- Industrial Control
- Drones
- Sensor Systems



What was improved

Move from Embedded Developer to Embedded Linux Developer Faster

- Add Linux to IoT designs
- Fits in a mini mint-tin (35mm x 56mm x 5mm)
- Python Libraries
- Scripting supported
- 4 layer one sided PCB
- Flexible I/O headers
- EAGLE designs
- KiCAD

Hardware Information

Processor: Octavo Systems OSD335 System-In-Package with 1GHz ARM Cortex A8, 2×32-bit 200-MHz PRUs, ARM Cortex-M3 DDR3 Memory, Power Management
Expansion: 72 pin headers, high-speed USB, 8 analog inputs, 44 digital I/Os and numerous digital interface peripherals

Source code or detail technical information availability

www.beagleboard.org/pocket

beagleboard.org®