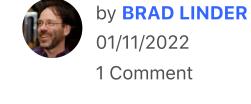


## \$35 Sensor Watch crams a modern microcontroller into a classic Casio wristwatch



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alert you to notifications, and support for running first-party and third-party apps. Sensor Watch doesn't do any of that. But it is designed to take a classic Casio F-91W

Most modern smartwatches have color displays, wireless capabilities, the ability to

wristwatch and give it a modern upgrade thanks to a tiny circuit board with an ARM Cortex-MO+ microcontroller allowing you to run simple apps. The Sensor Watch is up for pre-order for \$35 through a Crowd Supply crowdfunding campaign, and could begin shipping in September.



don't already have one. And shipping for the Sensor Watch runs \$8 for crowdfunding backers in the US or \$18 for global backers. The Sensor Watch itself is a printed circuit board and sensor board. Everything else is repurposed from the Casio watch, so the finished product has the same monochrome

72-segment LCD display and the same water resistant enclosure – it should be waterproof for depths up to 30 meters. And since it lacks wireless capabilities, a 100 mAh coin cell battery should provide up to a year of battery life.

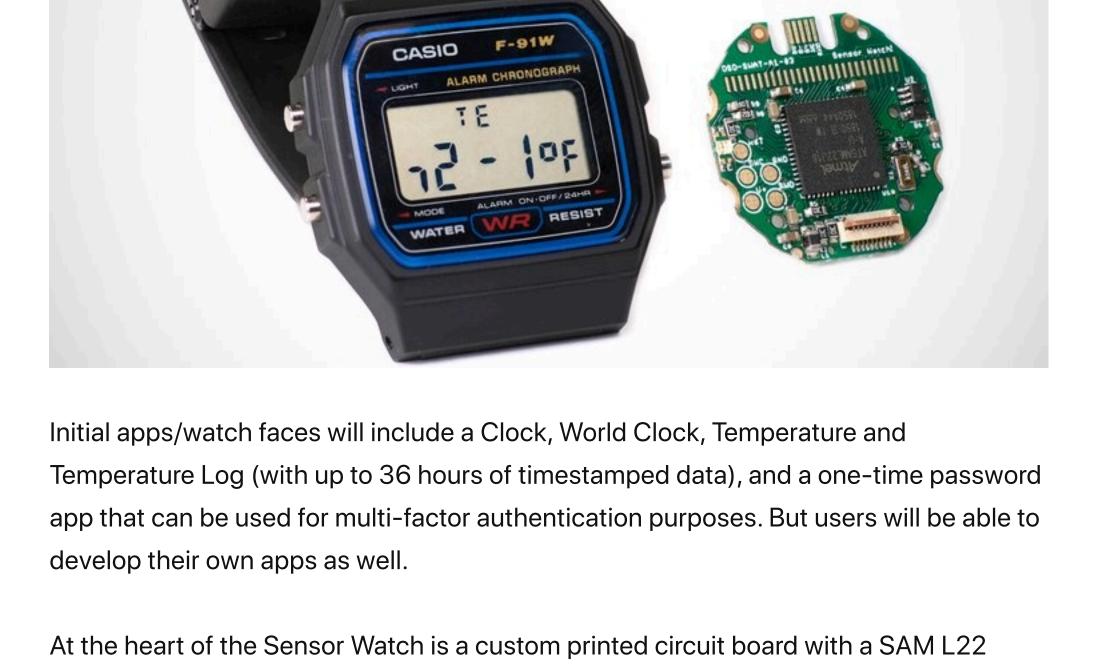


show data from the sensor. By default, it will ship with a thermistor sensor board that can be used to show the temperature. But the Sensor Watch is designed to be modular

and hackable, so folks who want to design their own sensor boards can swap them out

Thanks to an integrated sensor board, it can be programmed to run applications that

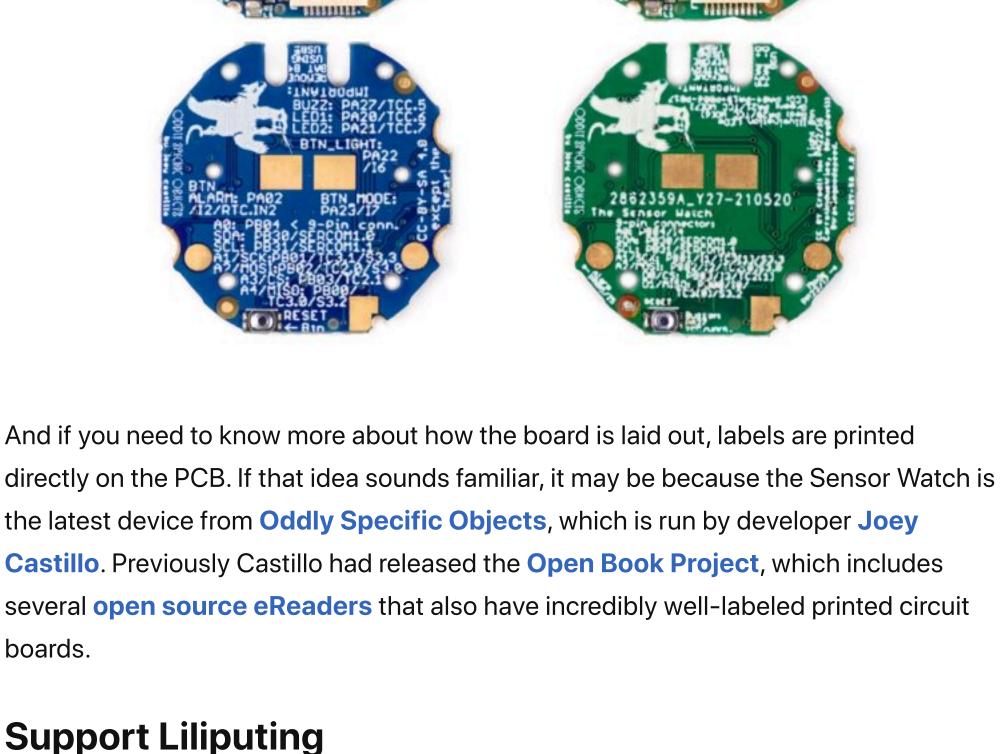
to add other functions. There are already open source designs for motion, light, and other sensor boards.



ARM Cortex-M0+ 32 MHz microcontroller featuring 256KB of flash storage and 32KB

of RAM. The board has built-in USB support, which allows you to plug it into a

computer like a USB flash drive for programming purposes.



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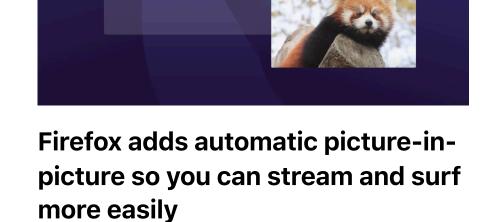
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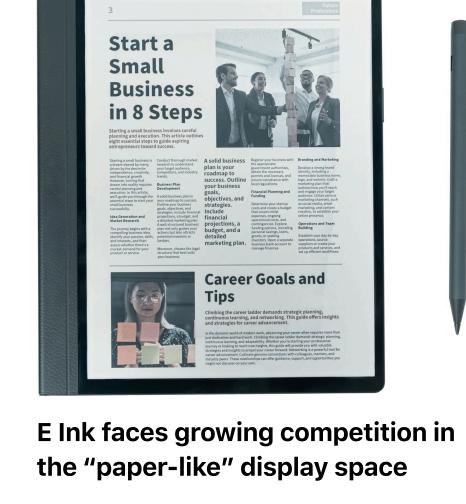
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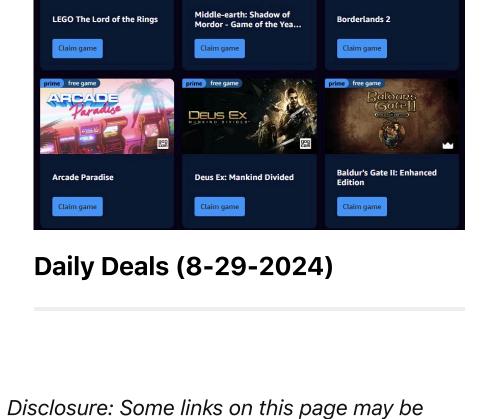
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One reply on "\$35 Sensor Watch crams a modern micro-

controller into a classic Casio wristwatch"

**Grant Russell** says: 01/11/2022 at 5:53 PM

Reminds me of my old Timex Data-Link watch from the 90s (a very ambitious use of a very limited screen).

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