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# Espruino shop

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[Bangle.js 2 Smart Watch](#)





[Description](#)  
[Specification](#)

[Reviews \(9\)](#)

Bangle.js 2 is an open, hackable smartwatch.

With a sunlight readable always-on screen, 4 week battery life, complete flexibility, and complete control of your data, Bangle.js 2 is a refreshing break from expensive smart watches.

You can install new apps from the web or develop your own using JavaScript. All you need is a Web Browser (Chrome, Edge or Opera) and you can upload apps or write code to run on your watch wirelessly! Bangle.js is water resistant and comes with Bluetooth Low Energy, GPS, a heart rate monitor, accelerometer, magnetometer, pressure sensor and more.

Bangle.js 2.0 specs:

- IP67 water resistant (everyday use, not for swimming or baths)
- Nordic 64MHz nRF52840 ARM Cortex-M4 processor with Bluetooth LE
- 256kB RAM, 1MB on-chip flash, 8MB external flash
- 1.3 inch 176x176 always-on 3 bit colour LCD display (LPM013M126) with backlight
- Full touchscreen (6H hardness glass)
- GPS/Glonass receiver
- Heart rate monitor
- 3 Axis Accelerometer
- 3 Axis Magnetometer

- Air Pressure/Temperature sensor
- Vibration motor
- 175mAh battery, 4 week standby time
- 36mm x 43mm x 12mm watch body, with standard 20mm watch straps
- Full SWD debug port on rear of watch

## Apps



Because Bangle.js is entirely open, you can upload the apps we've already developed, create your own, or upload apps created by the online community.

Our app store (at [banglejs.com/apps](https://banglejs.com/apps)) is entirely free and open. We'll never share your data with third parties or make your use of our apps dependent on third party cloud services. So far there are over 100 great apps including games, navigation and fitness aids, watch faces, spirit levels, QR code displays and more - and new apps get added weekly!

## More Information:

- Check out the original [KickStarter Campaign](#)
- See [Detailed specs and tutorials on the Espruino Website](#)
- Look at the [App Loader and available apps](#)
- Check out [Bangle.js 2's Certifications](#)

## Improvements over Bangle.js 1:

- Smaller, lighter watch body
- Always-on screen with full touchscreen
- 4x more RAM, 2x more Flash
- Better Bluetooth signal strength
- Air pressure sensor
- SWD debug port

Please Note: Bangle.js is an affordable Smartwatch with entirely open software, designed to be trivial to write your own apps for. While the watch is solid and well built, it can not compete with an Apple Watch costing 5x as much, and is not intended to. If you have any reservations we'd advise you to read some impartial reviews [like this one](#) first.



# Bangle.js 2 Smart Watch

Brands [Espruino](#)

Product Code: BANGLEJS2

Availability: 470

£99.60

Ex Tax: £83.00

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2 or more £98.40

5 or more £96.00

10 or more £93.60

20 or more £90.00

50 or more £87.60

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## Available Options

\* Watch Color

Black

Qty

1

Add to Cart

?? ?? ?? ?? ?? 9 reviews / [Write a review](#)

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## Related Products



### Bangle.js 2 Replacement Button PCB

This is a replacement button PCB for the Bangle.js 2, with a small ribbon cable that clips onto the ..

£2.40

Ex Tax: £2.00

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### Bangle.js 2 Replacement LCD

This is a replacement front glass, LCD, backlight and touchscreen assembly for the Bangle.js 2, with..

£11.94

Ex Tax: £9.95

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### Bangle.js 2 Charge Cable

A spare magnetic charge cable for Bangle.js 2 Smart Watches, 60cm long..

£7.08

Ex Tax: £5.90

ADD TO CART   



### Bangle.js 2 Strap

Bangle.js 2 has a standard 20mm watch strap that is held in by two sprung pins that go into the body..

     

£3.59

Ex Tax: £2.99

ADD TO CART   



## Bangle.js 2 Charge Cradle/Dock

This is a charge cradle for the Bangle.js 2 Smart Watch. It's supplied flat-pack and can be assembled..

?? ?? ?? ? ?

£14.28

Ex Tax: £11.90

ADD TO CART ? ? ?



## Bangle.js 2 Silicone Protective Cover

A protective silicone cover for the Bangle.js 2 in black. \*\* NO BANGLE.JS 2 INCLUDED \*\*..

?? ?? ?? ?? ?

£7.08

Ex Tax: £5.90

ADD TO CART ? ? ?

Tags: [Espruino](#), [Bangle.js](#), [BLE](#), [Bluetooth LE](#)

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