Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Tessel 2

SKU: 102990210

TESSEL 2

BUILD Your Product Faster.

Tessel 2 is a development platform you can embed in a product. Build fast with Node.js, then optimize the hardware and build thousands

What is Tessel 2

Tessel 2 is a connected hardware prototyping system that you can take into production. It features elegant command line tools that make it simple to deploy code, set wifi credentials, and manage authentication. It is programmable in JavaScript with the capacity to support other languages as well.

Tessel 2 is also a ecosystem which features plug and play modules require no soldering skill and it`s high level APIs could make prototyping even faster than you can image.

Features

2 Tessel Module Ports

Add sensors and actuators in one step

2 USB ports

Use peripherals like cameras and 3G/4G dongles to add more flash storage

802.11 b/g/n WiFi

Connected out of the box and wirelessly programmable

Ethernet

An ultra-reliable, wired connection Supports 10/100 ethernet

580MHz Mediatek MT7620n

Execute your program faster

64 MB DDR2 RAM & 32 MB Flash

Plenty of space for you code

48MHz Atmel SAMD21 coprocessor

Real time I/O and better power management

MicroUSB

Power and tethered programming

Ecosystem

We are proud of Tessel ecosystem which plug and play modules could further enrich your projects and the high level APIs enable you to prototype fast.

| Servo | Relay | Climate | RFID | IR | Accelerometer | Ambient |

Part List

Tessel 2	x 1	microUSB cable	x 1

FAQ

What`s changing with Tessel 2?

New features on Tessel 2 include extremely reliable WiFi, an ethernet jack, two USB ports, and a system that runs real Node.js/io.js.
We`ve also added support for scaling up: board customization options, and services for embedding Tessel in a product.

How is Tessel 2 different from other development boards?

Tessel 2 is designed for the fastest possible path to production. Plug and play modules and high-level APIs set it apart from most other development boards. Tessel doesn't expect you to set up and maintain a Linux system or track down pinout diagrams to wire up sensors (though the root shell and GPIO access are available should you desire them).

Can I use my own USB devices?

Yes. First-party modules will have high-level APIs and be tested to ensure driver support, but you can also add your own USB devices if the drivers are compatible and/or you dive a little deeper into the OpenWrt ecosystem.

What modules are available/compatible?

All of our Ecosystem modules are compatible with the Tessel 2.

Can I try out the Tessel platform?

Absolutely! You can find in-person communities hacking on Tessels at https://tessel.io/community
Those communities will have original Tessels, not Tessel 2's yet, but the developer experience is very similar.

I have more questions! How can I contact you?

For quick questions, we're @tesselproject on Twitter. Longer questions are welcome on Seeed forum or Tessel forum.