Espruino Pixl.js   ESP005

A smart LCD with Bluetooth LE. Monitor and control other Bluetooth LE devices, act as a wireless display, create your own smart conference badge, or even just display the status of your code - all while drawing tiny amounts of power.

Pixl.js uses Espruino, so you program it in JavaScript - modify code without rebooting, even debug - completely wirelessly!

Pixl.js's unique design allows you to use the Arduino footprint to interface with a huge array of existing Arduino shields while still using the LCD and buttons. Add Ethernet, WiFi, Motor drivers, even GSM. No soldering required!

Features

- Bluetooth Low Energy
- Espruino JavaScript interpreter pre-installed
- nRF52832 SoC - 64MHz ARM Cortex M4, 64kB RAM, 512kB Flash
- 54mm diagonal, 128 x 64 Sunlight readable monochrome display with white backlight
- 20x GPIO in Arduino footprint (capable of PWM, SPI, I2C, UART, Analog Input)
- Support for GSM, LTE, WiFi and Ethernet Arduino shields
- 3v to 16v input range
- CR2032 battery holder (20 days battery life with LCD on), or Micro USB (power only)
- 4x 3mm mounting holes
- 4x Buttons
- Built in thermometer and battery level sensors
- NFC tag programmable from JavaScript
- Dimensions: 60mm x 53mm x 15mm
- Click here more full technical information
  See a list of tutorials for Pixl.js on the main Espruino Website.

Need more Bluetooth devices to talk to this? Check out Puck.js and the MDBT42 Breakout board.