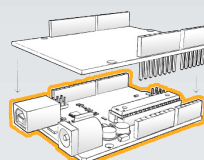


Duinotech Lite



- Type: Main Board
- Application: Main Microcontroller
Add shields, modules and components to build your project
- Dimensions: 75(L) x 53(W) x 13(H)mm

Duinotech Lite Overview:

The Duinotech Lite is a slightly different twist on the basic Arduino-Compatible board. Most Arduinos use two microchips, the main microcontroller that runs your programs and a smaller chip that connects the Arduino to your computer via USB. The Duinotech Lite uses one chip to perform both functions. This means that the Duinotech Lite isn't confined to being just a serial device, it can emulate a keyboard, mouse or joystick as well.

What is included: 1 x Duinotech Lite Board

Essential Accessories: Protoshields
Jumper Leads

Optional Accessories: Battery Bank with USB Socket (Provides 5VDC power, ideal for robotics projects)
Joystick Module

Did you know:

Most Arduinos have one serial(UART) port, on pins 0 & 1. This port is used to program the Arduino and talk to your computer via USB, or it can be used to connect an external serial device. However it cannot do both at the same time, if you have a module or shield hooked up to pins 0&1, you must disconnect it before you can program the board. The Duinotech Lite solves this problem by providing TWO serial ports, one for programming and USB functions and a second hardware port on pins 0&1. This means you can program the board without having to disconnect your external devices from pins 0&1.

| Specifications | |
|--|--|
| | Duinotech Lite |
| Processor | ATmega32u4 • 8-bit CPU • 16MHz clock speed • 2.5KB SRAM • 32KB flash storage |
| I/O | 20 digital I/O pins 7 analog input pins |
| Operating Voltage | 5VDC |
| Supply Voltage | 5VDC via USB 7-14VDC via Vin Pin or DC Jack |
| Dimensions | 75(L) x 53(W) x 13(H) |
| Additional Features | Two serial ports, one hardware one USB. |
| Specifications are subject to change without prior notice. | |

