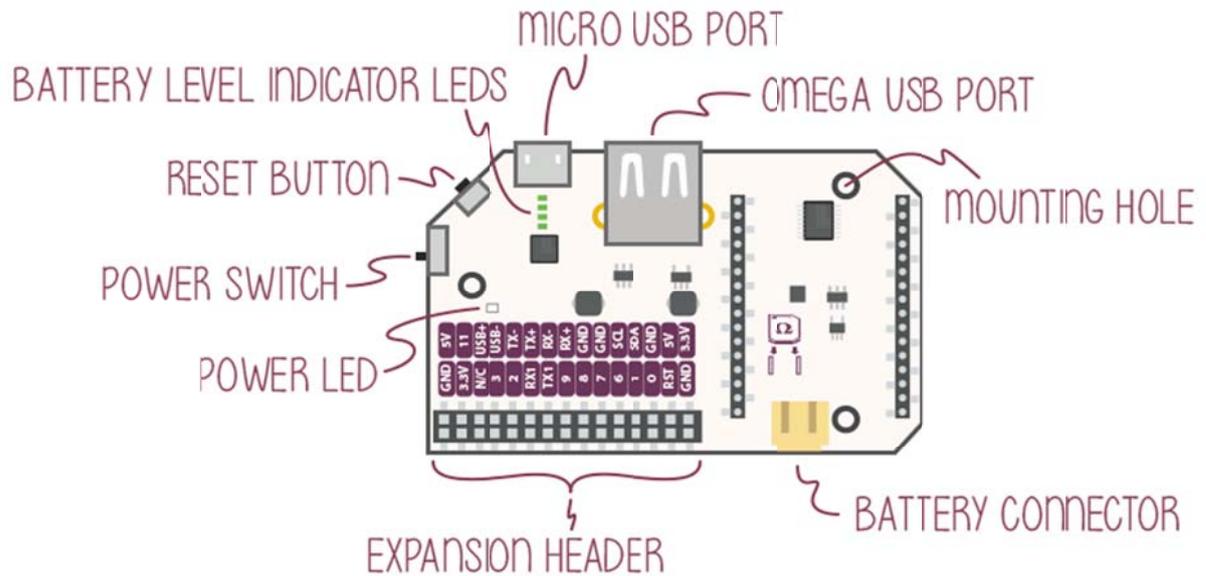


The Hardware

Your Power Dock has a 30 pin Expansion Header, allowing you to use all of your Onion Expansions. It provides the Omega with the 3.3V it needs to run, while also providing 5V for the Expansions and USB Host port.



The Power Dock is flexible: it can run off just a battery or just by drawing power from the Micro USB port. Charging the battery requires having both the battery and the Micro USB plugged in. Don't worry, the Omega will still work with no interruptions while charging.

The Micro-USB port supplies 5V to the Dock. This voltage is stepped down to the required 3.3V required to power the Omega, and also provides 5V to the Expansions and USB Host port.

What makes our Power Dock 2 more useful and unique is a additional battery level ADC. A simple chip that allows you to monitor your battery charge.