



## AAE001 (Marlin)

Evaluation board provides a quick and easy way to evaluate and develop for the AMW004-A01 Hornet through-hole version of the AMW004 Wallaby module.



**T**he AAE001 'Marlin' evaluation board provides a quick and easy way to evaluate and develop using WiConnect on the through-hole versions of ACKme modules. Using the through-hole variants is a breeze with Marlin, simply plug the board into a computer using a standard USB cable, connect with a PC terminal application and start typing.

In the case of Wi-Fi, the WiConnect application running on the Hornet module adapter provides basic ASCII commands to read the state of the buttons and turn the LEDs on and off. For a more compelling demo, connect the board to your Wi-Fi access point, signup at [goHACK.me](http://goHACK.me) and control the board from across the room, or from the other side of the planet!

The AAE001 comes in two configurations:

#### AAE001

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Bare bones, does not come with a radio module adapter fitted

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#### AMW004-E02

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Comes complete with the AMW004-A01 Hornet module adapter (Wi-Fi)

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## FEATURES

- Pluggable footprint compatible with ACKme Hornet module adapter
- USB-UART interface for a direct serial connection to the AMW004 Wi-Fi module
- Separate LEDs indicate data on UART transmit/receive
- Sensor interface including two buttons and two LEDs
- Manual reset switch
- Breakout headers and ground hooks for easy prototyping
- Powered by USB interface

### **Adapter footprint**

20-pin adapter compatible with ACKme through-hole modules

### **USB UART**

Up to 3 Mbit/s with hardware flow control (optional)

### **Sensor interface**

2 x push buttons, 2 x LEDs

### **Breakout header**

2x10-pin header (connects to every pin on the Hornet adapter)

### **Power supply**

+5V from USB (500mA max.)

### **Operating Temperature**

0 – 70°C