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 and control the board from across the room, or from the other side of the planet!

The AAE001 comes in two configurations:

AAE001
Bare bones, does not come with a radio module adapter fitted

AMW004-E02
Comes complete with the AMW004-A01 Hornet module adapter (Wi-Fi)

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