ZENTRI

AMW007-E03 (Medusa)

Evaluation board provides a quick and easy way to evaluate and develop with ZentriOS-Lite on the AMW007 Wi-Fi networking module.

The AMW007-E03 'Medusa' evaluation board provides a quick and easy way to evaluate and develop using ZentriOS-Lite with the surface mounted AMW007 Spectre module. Using the Spectre module is a breeze with Medusa, simply plug the board into a computer using a standard USB cable, connect with a PC terminal application and start typing. Medusa also comes with a fully licensed version of ZentriOS-Lite.

ZentriOS is the connectivity operating system of choice for resource constrained Internet of Things (IoT) devices. ZentriOS accelerates time-to-market by providing a common software foundation across multiple product lines. ZentriOS provides integrated security, sophisticated network connectivity features, file management, rich peripheral interfaces, and much more. By abstracting the underlying complexity of connectivity, developers can focus on what they do best – build great products.

ZentriOS provides the secure connectivity foundation that enables a device to wirelessly connect and be delivered to market in weeks versus months/years. Enabling optional product portfolio manageability through the device management service, ZentriDMS, can use any of Zentri's own cloud products or those from other leading IoT cloud vendors such as Amazon's AWS IoT platform, IBM Bluemix, and Microsoft's Azure IoT Suite.

ZentriOS is a component of the Zentri product family which includes ZentriDMS, ZentriCloud, and Zentri Mobile App SDK that comprise the Zentri Secure Connected Platform for IoT to transform product purchases into secure product experiences.

FEATURES

- USB-UART interface for a direct serial connection to the AMW106 Wi-Fi module
- Separate LEDs indicate data on UART transmit/receive
- Sensor interface including two buttons and two LEDs
- System indicator LEDs show network connection state
- Manual reset switch
- Breakout headers and ground hooks for easy prototyping
- Powered by USB interface

Sensor interface   2 x push buttons, 5 x LEDs

Breakout header   3 x Expansion headers (connects to every pin on the AMW106 module)

Power supply   +5V from USB (500mA max.)

https://www.zentri.com/ack/products/AMW007_E03_Medusa