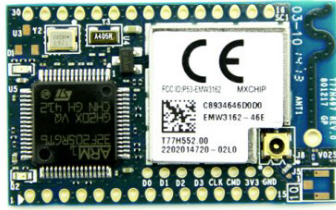# EMW3162 WiFi Module

SKU: 113990089
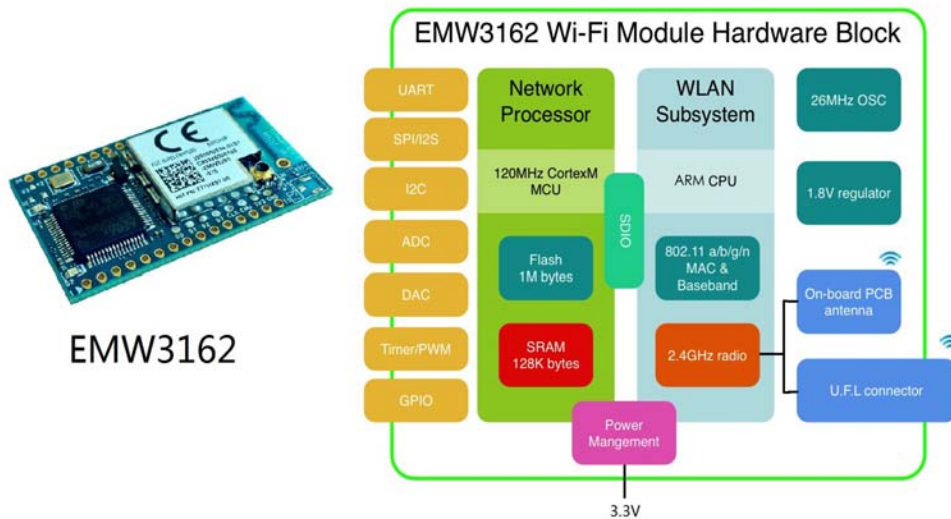

Description

Introduction:

EMW3162 is the new module that design by **MXCHIP** in the 2013. For the embedded products applications, it focus on the ultra-low power low cost. This Wi-Fi wireless LAN module. It combines the latest Wi-Fi technology and microcontroller technology, within IEEE802.11b/g/n wireless communications and a variety of energy-saving mode, widely used in a variety of new intelligent electronic products. It has the latest features EMW316x series modules, but also keep the pin is fully compatible with EMW3280 module.

EMW3162 built-in frequency up to 120MHz Cortex-M3 microcontroller STM32F205RG, 1M byte of Flash, 128k bytes of SRAM and extensive peripheral functions with the MxchipWnet embedded Wi-Fi firmware.

Users can easy and quick add Wi-Fi network communications capabilities for embedded devices. You can use MxchipWNet software library developed directly on a variety of embedded Wi-Fi module applications.

EMW3162

EMW3162 Wi-Fi Module Hardware Block

Typical applications:

- Building automation / access control, security control systems
- Automatic House appliances
- Medical and personal care system
- Mobile point of sale system (POS)
- Automotive Electronics

Features:

- EasyLink a key configuration
- Ultra-low power consumption, keep the network connection only 7mA
- Seamless roaming switch
- Network transmission speed, the actual up to 20Mbps
- Built-in real-time operating system, the new software system