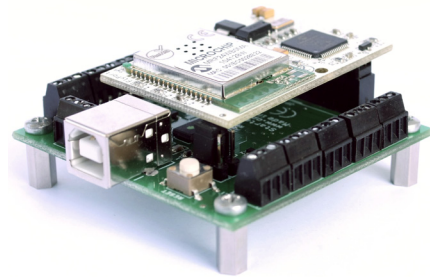
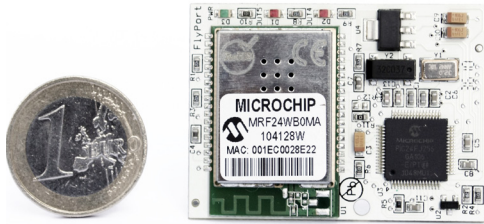


FLYPORT



Wi-Fi Certified module programmable in C using OpenPicus APIs. FlyPort manages connection and application, no external host processor needed.

OpenPicus is italian open source platform for Sensors, Automation and Internet of Things. Modules have different communication standards but all of them are pin to pin compatible to each other.



Applications

FlyPort is the ideal solution for Home and Industrial automation, Robotics, Sensors, Metering, Actuators and generic remote control. Flyport is not a simple Wi-Fi module, but a complete programmable system.

Tools

FlyPort runs your application and TCP/IP stack. It embeds a powerful Webservice supporting Ajax, SMTP email client, TCP/UDP sockets, FTP client, SNTP and others. Power down modes are controlled by your application

Advantages

Flyport minimizes time to market thanks to the powerful Framework based on FreeRTOS, the easy and free IDE and bootloader. Open source: many applications and tested libraries are available for free download.

Facts

Only 35*48mm, 26 ways 2.54mm pitch connector. Flyport is available provided with PCB antenna or uFL connector for external one. CE, FCC and Wi-Fi certified: fast and easy implementation and short time to market.

Flyport is powered by a 16 bit, 256K Flash, PIC Microcontroller. Signals on the external connector are configurable at runtime and are: 22 Digital I/Os, 4 Analog Inputs, 9 PWM, 4 UART, SPI, I2C. Onboard are : Real time clock, 2 KB Flash storage memory and Serial bootloader .

Start development immediately using the free OpenPicus IDE. Focus on your application, since the wireless Stack and events are managed from the Software Framework. Modules have bootloader preloaded, no development tools needed.

Flyport connects to Wireless LAN or it works in Ad Hoc mode. It manages WEP, WPA e WPA-2. You can decide which TCP services you need, using TPC/IP Setup wizard.

Flyport has several power saving modes controlled by your application. You can decide to turn on the Wi-Fi transceiver only when it's really needed especially in battery powered applications.

Download for free IDE, Schematics, Applications and Libraries on www.openpicus.com

Programmable

Open Source

Free IDE

Bootloader

Microchip PIC 24F

MRF24WB0MA

Wi-Fi Certified

802.11 b/g/n

Available APIs

Digital I/O

PWM

Analog Inputs

UART I2C SPI

uFL Antenna

PCB Antenna

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Sketch your idea!

