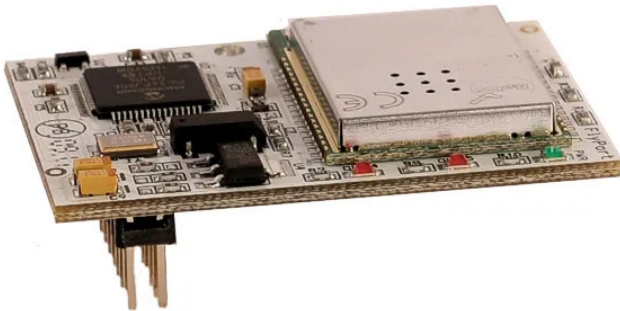**Item no.:** 313114

FLYPORT WI-FI W/ UFL CONNECTOR - FLYPORT Wi-Fi with uFL connector

39,⁰¹ EUR

Item no.: 313114
shipping weight: 0.10 kg
Manufacturer: openPicus

📄 Product Description

openPicus FLYPORT Wi-Fi with uFL connector

FLYPORT Wi-Fi is a miniature web server module featuring a fully integrated 802.11 b/g/n Wi-Fi interface and several interfaces for the real world. The module integrates a powerful 16-bit processor which runs your custom applications and a Wi-Fi certified transceiver which handles the connectivity. This version also integrates uFL connector for an external antenna.

The module provides the embedded world with a powerful Internet engine and a browser based interface over a LAN, Internet or GPRS network, in a small footprint, at low power and low cost. Real time data can be both displayed and/or updated from a standard web browser, even on smartphone or tablets, as FLYPORT supports dynamic web pages. FLYPORT runs openPICUS open source framework and it has a serial bootloader onboard. The free openPICUS IDE allows to create applications, to import web pages and to compile and download code on the module.

Designers or system integrators need only to be familiar with their own products or applications, since Flyport manages all the required network interfacing, internet communications protocols and web pages. Dynamic web pages are supported with an innovative and easy to use method that allows real world variables and the information from the host system (such as temperatures, speeds, levels, voltages, switch positions etc.) to be displayed or changed using simple HTML or advanced jQuery. Flyport connects to Wi-Fi networks through access points and routers. It isalso possible to connect it directly by Wi-Fi Ad hoc mode. WEP, WPA and WPA-2 security are supported.

The internal Flash storage area of 256K bytes is big enough to contain the embedded web server, the communication stack and an application. Stunning web pages can be created to provide a great user browser-based interface for almost any system. The module is suitable for battery powered systems since the openPICUS framework allows your application to control and turn on/off the Wi-Fi transceiver with just one code instruction. FLYPORT Wi-Fi supports HTTP, TCP, UDP, SNTP, FTP and SMTP.

The module is provided with a standard 2x13 ways male pin header connector. Most of the pins are PPS enabled, which means they can be configured for UART, SPI, PWM, timer input, interrupt etc., as they are internally connected to the PIC 24F microcontroller.

Specifications

- Little development required to get products on the net
- Zero investment, free IDE and bootloader
- Web pages creating with standard authoring tools
- Supports dynamic web pages
- Small size - 35 x 48 mm
- Low power - hibernation mode supported
- Flyport is low cost module
- 16 bits, 16 MIPS, PIC 24F processor
- 802.11 b/g/n Wi-Fi certified transceiver
- 256K byte FLASH
- openPICUS framework, based on freeRTOS
- Serial bootloader: Web pages & files up-loadable via serial port
- UART, I2C, SPI interfaces
- Analog and digital I/O pins available
- Expansion boards available
- Built-in security features
- Ad hoc or infrastructure mode supported
- A version with a PCB antenna is also available

Applications

- Remote on/off switching of electric motors, pumps, lighting etc.
- Environmental monitoring
- Industrial automation
- Home automation
- Process monitoring & control
- Vending Machines
- Factory machinery and processes
- Power generation plants
- IT systems monitoring
- Heating, cooling and refrigeration equipment
- Security systems
- Medical & pathological equipment

🗎 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability