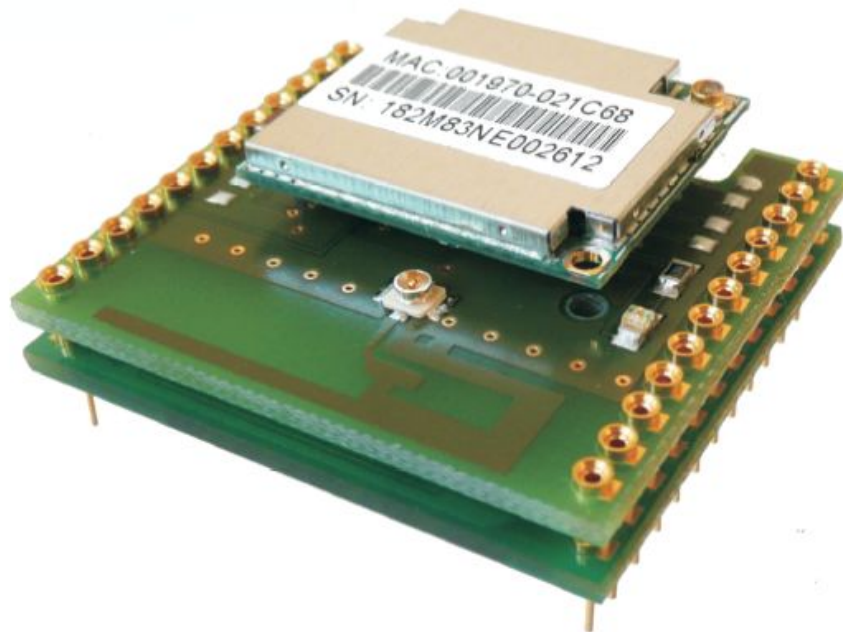


Embedded WLAN Module

MOD-WXX-511M



Features

- WLAN 802.11 b/g
- Build in WLAN drivers - no additional drivers needed
- Interfaces: RS232, CAN, I2C, SPI, Ethernet
- Scripting language – BASIC like syntax
- Dimensions: 37x32x12mm
- WLAN bridge mode (Provides transparency for RS232, CAN, etc.)
- Optional SD card reader for data logging
- Hardware development environment available:
Starter Kit "STK-RS-WLAN-511M"

Technical data

WLAN Standards:

802.11 g+b (54Mbit + 11Mbit), 14 channels

Interfaces:

SPI, I2C, UART (RS232, RS485, RS422) @ 3.3V, CAN, GPIO

Data rate:

Up to 5Mbit true user bandwidth

Security and integrity:

WEP, WPA (TKIP) and WPA2 (AES) encryption. TCP/IP for data integrity.

Antenna:

U.FL antenna connector for external antenna
Internal antenna activated by cable

Software / drivers:

"No drivers needed": Configuration done through commands on data interface or build in web site.

Temperature Range:

Operating range: -30°C to 85°C

Power Supply:

Supply voltage: 3.3 V +/- 0.1V

Current consumption: about 100mA (300mA without power save)

Dataformat on Interfaces:

Raw binary or ASCII data,
simple packet format for multiple simultaneous connections

Ordering information:

Part/order numbers.:

Embedded WLAN module: MOD-WXX-511M

Starter Kit for WLAN: STK-RS-WLAN-511M