

Amphenol

Wi-Fi Module

W105C



Overview

W105C modules designed base on RTL8710B chip solution, The SOC module is a highly intelligent platform for the Internet of Everything that contains a low-power Wi-Fi connectivity solution on one package.

W105C could be used for IoT data communication, data collection and control because of rich peripheral interfaces. Data can be transmitted through module to the Internet of Things cloud service platform by using Wi-Fi network connection.

Key Feature

- -20°C to +85°C
- IEEE 802.11b/g/n
- 1T1R 2.4GHz Single Frequency
- Compact size: 18.0mm × 20.0 mm × 2.7 mm

Key Benefit

- Integrated platform capabilities
- Multi-types interface supported
- Popular authentication protocols

Application Interfaces

- ◆ IOT
- ◆ Network Consumer Device
- ◆ Metering
- ◆ Building Automation
- ◆ Home Automation
- ◆ Smart lighting
- ◆ Industry Control

Features

Wi-Fi	
Standard	IEEE 802.11b/g/n
RF	
Frequency	2.400GHz to 2.483GHz
Modulation	802.11b: CCK, DQPSK, DBPSK, DSSS 802.11g: 64-QAM,16-QAM, QPSK, BPSK, OFDM 802.11n: 64-QAM,16-QAM,QPSK,BPSK,OFDM
Transmit Rate	802.11b: 1,2,5.5,11 Mbps 802.11g: 6,9,12,18,24,36,48,54 Mbps 802.11n: MCS0~7, up to 72 Mbps
Electrical Character	
Interfaces	GPIO;UART;ADC;I2C
Power supply	3.0V to 3.6V
Operation Temperature	-20°C to +85°C

Dimension

