WUBA-171GN

SparkLAN Connections Made Easy

802.11b/g/n USB Module

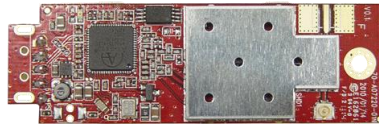*High-Power and Wide-Temperature, 5-Pin Pin Header Connection with Atheros AR9271, 1T1R*

Feature

- Chipsets: Atheros AR9271
- Interface: 5-pin pin header
- Antenna: 1 x U.FL connector, 1T1R
- Speeds up to 150Mbps
- Wide-Temperature: -30 ~ 75°C
- Advanced security: WEP, WPA, WPA2
- Support Windows XP/Vista/Win 7, Linux, Android by request

Latest 802.11n Wi-Fi Technology

SparkLAN WUBA-171GN, embedded with Atheros AR9271 chipset, is an 802.11n Wi-Fi USB module. With 1T1R technology, WUBA-171GN delivers ultimate wireless data rate for up to 150Mbps.
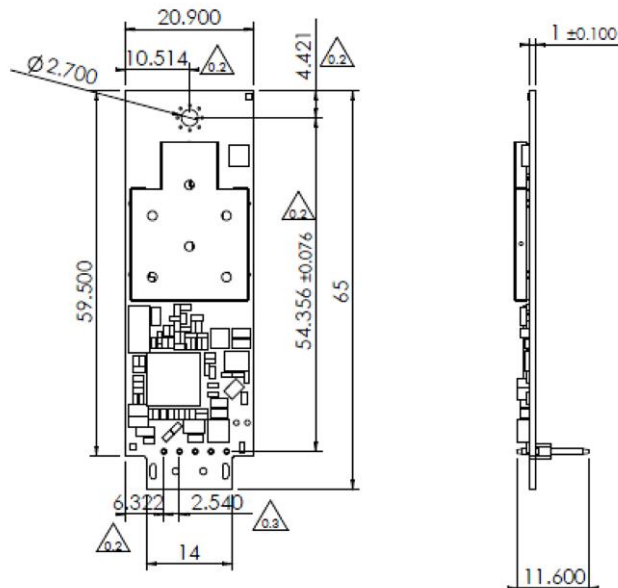
Higher Output and Wide Temperature

WUBA-171GN achieves high output for up to 23dBm. In addition, it is able to function under severe weather condition, which is ideal for manufacturers to integrate with their devices that are designed for wide-temperature range.

Secure Wireless Connection

WUBA-171GN also features advanced WEP encryption, WPA, and WPA2 to help to protect data over wireless communication without sacrificing the performance.

Application

- Networking Equipment
- USB Dongle
- Industrial Computers
- Medical Device
- POS (Point-of-Sale) System
- Self-Service KIOSK
- Gaming Machine
- Consumer Electronics

Mechanical Dimension (mm)
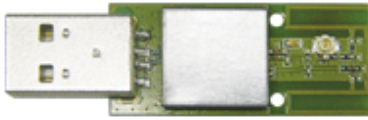
WUBA-171GN

Related Product

- WUBA-151GN
  802.11b/g/n USB Module

Ordering Info

- WUBA-171GN
  802.11b/g/n USB Module

Specifications

■ Standard

802.11b/g/n

■ Chipset

Mac/BB/RF	Atheros AR9271

■ Host Interface

USB 2.0 5-pin header

■ Radio

Antenna	1 x U.FL connector, 1T1R
Operating Frequency	802.11g ISM Band: 2.412 ~ 2.462GHz
Modulation	802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Output Power	802.11b: 23dBm ± 2dBm@11Mbps 802.11g: 21dBm ± 2dBm@54Mbps 802.11gn HT20: 21dBm ± 2dBm@MCS7 80.211gn HT40: 21dBm ± 2dBm@MCS7
Receive Sensitivity	802.11b: ≤ -90dBm@11Mbps 802.11g: ≤ -75dBm@54Mbps 802.11gn HT20: ≤ -72dBm@MCS7 802.11gn HT40: ≤ -68dBm@MCS7

■ Power consumption

Continue TX	Max 650mA
Continue RX	Max 300mA

■ Operating Voltage

DC 5V ± 5%

■ Environmental

Temperature Range	-30 ~ 75°C (Operating)	-40 ~ 80°C (Storing)
Humidity (Non-Condensing)	10 ~ 90% (Operating)	5~ 90% (Storing)

■ Physical Specification

Dimensions	65.0mm x 20.9mm x 11.6mm
Weight	< 10g

■ Software

Driver	Windows XP/Vista/Win 7, Linux, Android by request
Security	WEP, WPA, WPA2