Amphenol

# Wi-Fi Module

## W601C


## Overview

W601C is a highly integrated Wi-Fi module which is based on the NXP SoC 88W8987, featuring a 1x1 a/b/g/n/ac dual band Wi-Fi, and a Bluetooth v5.2 subsystems.

Fine-tuned hardware architecture and baseband algorithms provide superlative RF performance, as well as low power consumption.

W601C supports standard features of higher level of security, performance, and conforms most International regulations, offering the great performance at any time, in any circumstance.

## Key Feature

- -30°C to +85°C
- IEEE 802.11a/b/g/n/ac
- BLE Ver5.2
- 1T1R 2.4GHz & 5GHz Dual band
- Compact size:12.0mm × 12.0 mm × 2.2 mm

## Key Benefit

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

## Application Interfaces

- AP router
- Network Consumer Device
- Building Automation
- Home Automation
- Smart City
- Industry Control

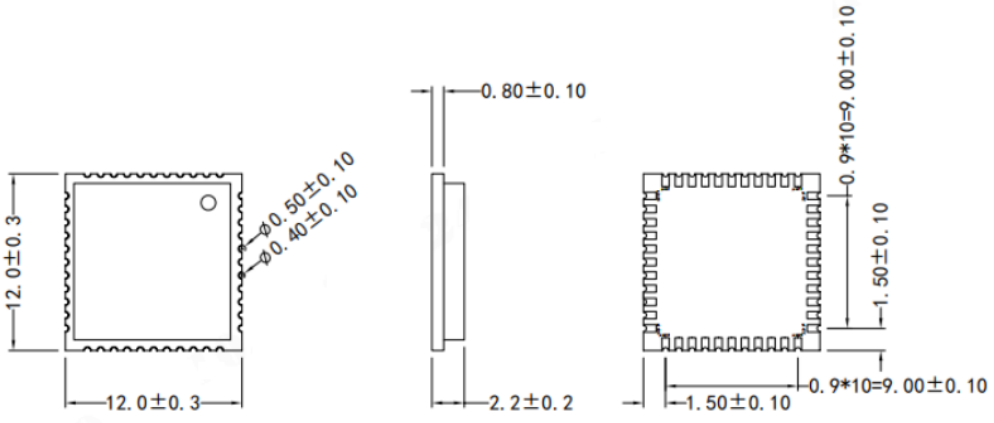


Q-FLEX
Q-Flex Oy
Avantintie 7
FI-21420 Lieto, Finland
+358 2 4894 500
info@q-flex.fi
www.q-flex.fi

# Features

| Wi-Fi | |
|---|---|
| Standard | IEEE 802.11 a/b/g/n/ac |
| **RF** | |
| Frequency | 2.400GHz to 2.483GHz<br>5.150GHz to 5.835GHz |
| Modulation | 802.11b: CCK, DQPSK, DBPSK<br>802.11g: 64-QAM,16-QAM.QPSK, BPSK<br>802.11a: 64-QAM,16-QAM.QPSK, BPSK<br>802.11n: 64-QAM,16-QAM, QPSK, BPSK<br>802.11ac: 256QAM, 64-QAM,16-QAM,QPSK,BPSK |
| Transmit Rate | 802.11b: 1,2,5.5,11 Mbps<br>802.11g: 6,9,12,18,24,36,48,54 Mbps<br>802.11a: 6,9,12,18,24,36,48,54 Mbps<br>802.11n: MCS0~7,up to 150 Mbps<br>802.11ac: MCS0~9, BW=80MHz up to 433Mbps |
| **Electrical Character** | |
| Interfaces | WIFI @ SDIO<br>BT @ UART |
| Power supply | 3.0V to 3.6V |
| Operation Temperature | -30 to +85°C |

# Dimension




*Top View* *Side view* *Bottom View*

unit: mm



Q-Flex Oy
Avantintie 7
FI-21420 Lieto, Finland

+358 2 4894 500
info@q-flex.fi
www.q-flex.fi