

# Amphenol

## Wi-Fi Module

### W603C



### Overview

W603C is a highly integrated Wi-Fi module which is based on the NXP SoC 88W8987eWLP, 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.

W603C 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:22.0mm × 30.0 mm × 2.3 mm

### Key Benefit

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

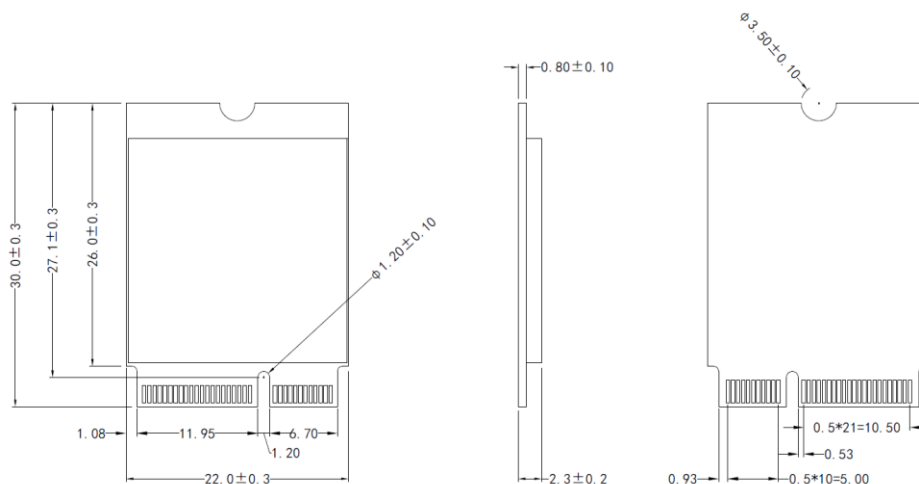
## Application Interfaces

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

# Features

Wi-Fi	
Standard	IEEE 802.11 a/b/g/n/ac
RF	
Frequency	2.402GHz to 2.483GHz 5.150GHz to 5.835GHz
Modulation	802.11b: CCK, DQPSK, DBPSK 802.11g: 64-QAM,16-QAM,QPSK, BPSK 802.11a: 64-QAM,16-QAM,QPSK, BPSK 802.11n: 64-QAM,16-QAM, QPSK, BPSK 802.11ac: 256QAM, 64-QAM,16-QAM,QPSK,BPSK
Transmit Rate	802.11b: 1,2,5.5,11 Mbps 802.11g: 6,9,12,18,24,36,48,54 Mbps 802.11a: 6,9,12,18,24,36,48,54 Mbps 802.11n: MCS0~7, up to 150 Mbps 802.11ac: MCS0~9, BW=80MHz up to 433Mbps
Electrical Character	
Interfaces	WIFI @ SDIO BT @ UART
Power supply	3.07V to 3.53V
Operation Temperature	-30 to +85°C

# Dimension



unit: mm