

**WIN-A1
WIFI Module
User Manual
Rev. 0.0**

1. Introduction

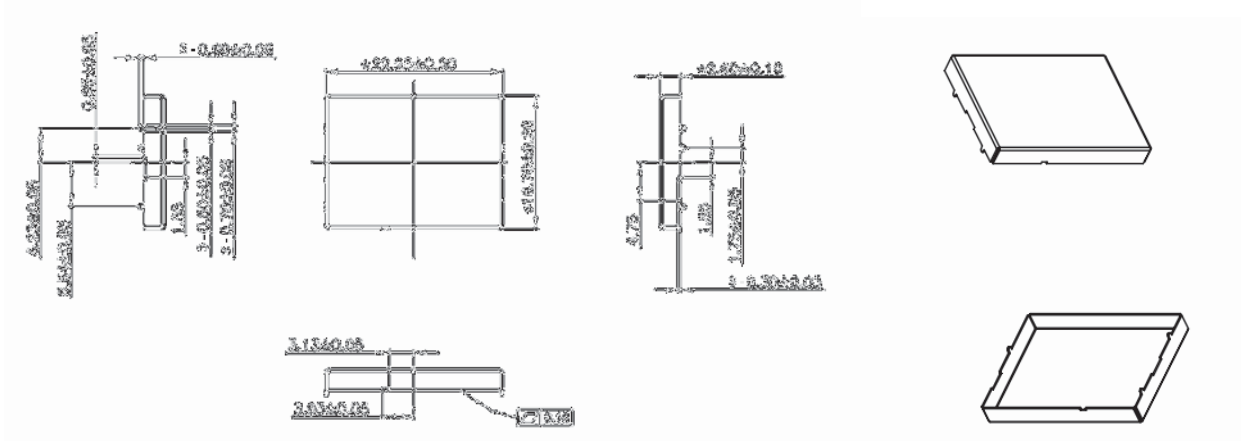
The WIN-A1 802.11b/g/n module provides wireless modem functionality utilizing direct sequence spread spectrum and OFDM/CCK technology. The objective of this use manual is to verify the functionality of the WIN-A1 802.11b/g/n module RF/Digital electronic design against the design specifications.

This revision includes results taken at various temperatures (0°C, 25°C, 70°C) and voltages (3.0V, 3.3V, 3.6V). Included are statements of test purpose, test methodologies, test modes and parameters, environmental conditions, applicable specifications, and typical reference design performance.

The major specifications and documents are listed below and upon to update in the following new revisions.

- 802.11b: IEEE Std 802.11b/D8.0-Sept 2001 Part 11 Paragraph 18.4.7.3
- 802.11g: IEEE Std 802.11g/D8.2-Apr 2003 Part 11 Paragraph 19.5.4
- 802.11n: IEEE P802.11n/D2.07-Mar 2006 Paragraph 20.3.20.1

2.Mechanical Drawing



3. Regulatory Information

USA-Federal Communications Commission (FCC)

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Labeling

Hon Hai Precision WiFi 11b/g/n module WIN-A1 labelled as below.

FCC ID: MCLWINA1

The proposed with FCC ID label format is to be placed on the module. If FCC ID is not visible when the module is installed into the system, "Contains FCC ID: MCLWINA1" shall be placed on the outside of final host system.

Caution: Exposure to Radio Frequency Radiation.

To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Canada-Industry Canada (IC)

This device complies with RSS 210 of Industry Canada.

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of this device.

The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

Caution: Exposure to Radio Frequency Radiation.

To comply with IC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.