

FULLW001

User manual

The “J27H023.01 WLAN MODULE” made by HON
HAI Precision Ind. Co., Ltd. is embedded.

Introduction

The J27H023.01 802.11b/g module provides wireless modem functionality utilizing direct sequence spread spectrum and OFDM/CCK technology.

1.1 WLAN Features

Operating Frequency	2412 ~ 2483.5 MHz ISM band
Modulation Schemes	802.11b (DSSS): DBPSK, DQPSK, CCK 802.11g (OFDM): BPSK, QPSK, 16QAM, 64QAM
Channel Numbers	IEEE 802.11 g compliant: 1 ~ 11 channels for United States 1 ~ 13 channels for Europe, Japan
	IEEE 802.11 b compliant: 1 ~ 13 channels for United States, Europe and Japan
WLAN Data Rate	802.11g: Up to 54 Mbps with auto fallback to 48, 36, 24, 18, 12, 9 and 6 Mbps. 802.11b: Up to 11 Mbps with auto fallback to 5.5, 2 and 1Mbps.
Media Access Protocol	CSMA/CA with ACK
Output Power	8.02.11g: 15.06dBm (Conducted) 8.02.11b: 9.18dBm (Conducted)
Antenna Type	Single antenna connector for off board antenna
Operating Voltage	1.8 VDC and 3.3 VDC
Operating Systems	Windows 98/Me/2000/XP

1.2 FCC Notice

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

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

IMPORTANT NOTE:**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FOXCONN declared that J27H023.01 is limited in CH1~11 from 2412 to 2462 MHz (802.11g) by specified firmware controlled in USA.

This device is intended only for OEM integrators under the following conditions:

The antenna must be installed such that 20 cm is maintained between the antenna and users, and

The transmitter module may not be co-located with any other transmitter or antenna.

As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

IMPORTANT NOTE: In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labelling

This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labelled in a visible area with the following: "Contains FCC ID: SRX-FULLW001".

Manual Information That Must be Included

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user manual of the end product which integrates this module.

The users manual for OEM integrators must include the following information in a prominent location
"IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

1.3 Canada Notice

Industry Canada Statement

This radio transmitter (IC: 5567A-FULLW001) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Antenna type: 1/2 lambda type

Gain: 2.14 dBi

Impedance: 50 ohms

Le présent émetteur radio (IC: 5567A-FULLW001) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour



l'exploitation de l'émetteur.
Type d'antenne: Type 1/2 lambda
Gain: 2.14 dBi
Impédance: 50 ohms).

This device complies with Industry Canada's licence-exempt RSSs. 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 the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) l'appareil ne doit pas produire de brouillage;
- 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

End Product Labelling

This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labelled in a visible area with the following: "Contains IC: 5567A-FULLW001".