

# **J27H023 WLAN MODULE**

## **USER'S MANUAL**

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## Introduction

The J27H023.00 802.11b/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	802.11: DPSK, DBPSK 802.11g: OFDM, DQPSK, DBPSK and CCK 802.11b: DQPSK, DBPSK and CCK
Channel Numbers	IEEE 802.11/802.11b compliant: 1 ~ 13 channels for United States, Europe and Japan IEEE 802.11 g compliant: 1 ~ 11 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. 802.11: Up to 1Mbps and 2Mbps
Media Access Protocol	CSMA/CA with ACK
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 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.

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**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**

The final end product must be labelled in a visible area with the following: "Contains FCC ID: MCLJ27H023".

**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 users manual of the end product which integrate 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 not be co-located or operating in conjunction with any other antenna or transmitter.

**1.3 Canada Notice**

**Industry Canada Statement**

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 the device

Caution: Exposure to Radio Frequency Radiation.

**This device must not be co-located or operating in conjunction with any other antenna or transmitter.**

Labeling

**System integrators must include the IC ID on the end product.**