

J27H023 WLAN MODULE

USER'S MANUAL

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Introduction

The J27 H023.00 802.11b/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 compliant: 1 ~ 13 channels for 802.11 b 1 ~ 11 channels for 802.11 g
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
Transmitter Output Power	

Item		Condition		Min	Typ.	Max	Unit
Transmit power level	802.11	1Mbps		-2	0	1.5	dBm
		2Mbps		-2	0	1.5	dBm
	802.11g	6Mbps	1-11ch	3	5	6.5	dBm
		9Mbps	1-11ch	3	5	6.5	dBm
		12Mbps	1-11ch	3	5	6.5	dBm
		18Mbps	1-11ch	3	5	6.5	dBm
		24Mbps	1-11ch	3	5	6.5	dBm
		36Mbps	1-11ch	2	4	5.5	dBm
		48Mbps	1-11ch	2	4	5.5	dBm
		54Mbps	1-11ch	1.5	3.5	5	dBm

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To comply with FCC RF exposure compliance requirements, this device must not be co-located or operating in conjunction with any other antenna or transmitter.

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

The final end product must be labelled in a visible area with the following: "Contains FCC ID: MCLJ27H02301".

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, this device 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

Labeling

The final end product must be labelled in a visible area with the following: "Contains IC: 2878D-J27H02301".

Installation Manual

