

M-2600 UHF



The M-2600 is a high performance 1-channel reader module to which can be connected an antenna with MMCX connector.

This module developed with INDY R2000 chip, is provided with a powerful anti-collision algorithm for a better tag response time.

Simple, convenient and effective for easy integration.

Key features

- 700 tags
- IN R2000 chip
- MMCX

General specifications

Air Interface protocol	EPC Global UHF Class 1 Gen 2 / ISO18000-6C	ISO 18000-6B
Spectrum range	EU: 865MHz-868MHz or US: 902-928MHz	
RF transceiver	Impinj Indy R2000	
RF channel	1 channel	
RF connector	MMCX	
Interface connector	Molex 53261-1571	
Working mode	Single/DRM	
Output Power	0 - 33dBm	
Output Power precision	+/- 1dBm	
Output power flatness	+/- 0.2 dBm	
Receive Sensitivity	<-85dBm	
Peak Inventory Speed	>700 tags/sec	
Tag buffer capacity	1000 tags at 96 bit EPC	
Host communication	TTL Uart port	
GPIO	2 inputs optical coupling 2 output optical coupling	
Input Voltage	DC 12V - 18V	
Standby Mode Current	< 30mA	
Sleep mode Current	< 100mA	
Max operating current	Conditions : @5V (33dbm Output, Multi-tag, 25°C) Min : 300 mA Typ : 1.3A +/-10% Max : 2.5 A	
Max Baud rate	115200 bps	
Heat Dissipation	Air cooling	
Tag RSSI	Supported	
Antenna detector	Supported	
Ambient Temp monitor	Supported	

V1.2

Non-contractual datasheet

M-2600 UHF

Physical specifications

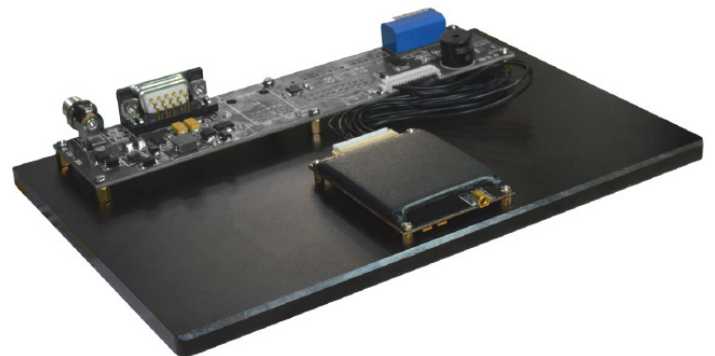
Dimensions	55,5 x 35,6 x 7,9mm
Body material	Gold-plated brass
Shield Material	Aluminum

User environment

Operating Temp.	-20°C~+55°C
Storage Temp.	-20°C~+85°C
Humidity	<95% (+25°C)

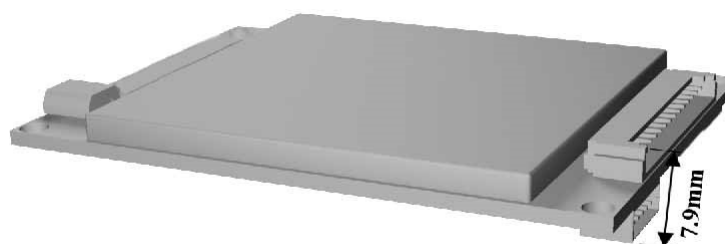
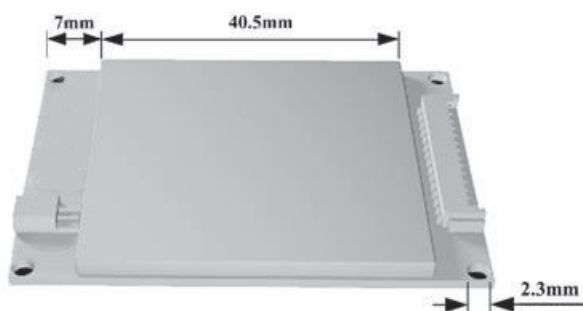
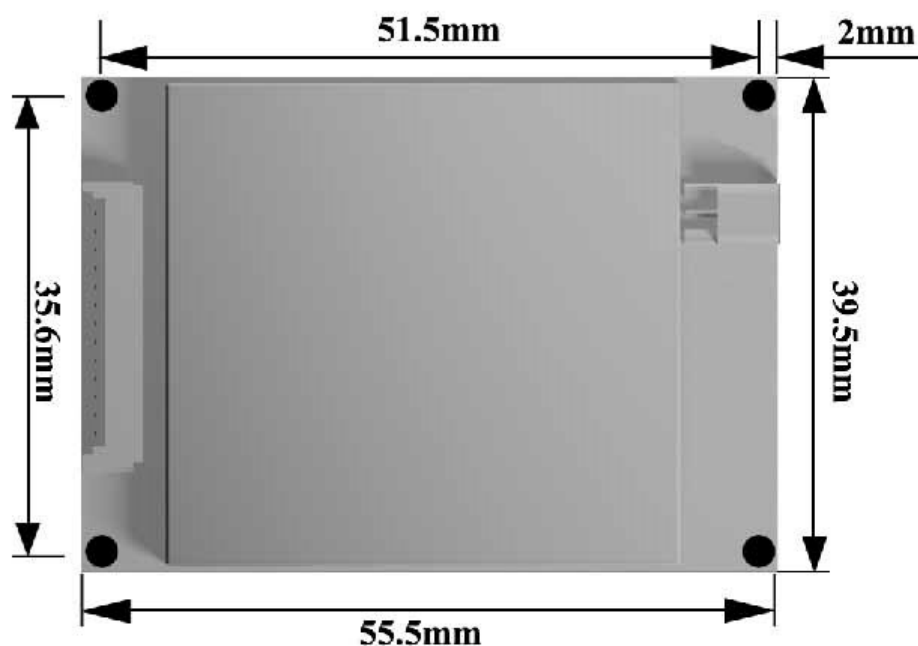
Software Development Kit

SDK available with or without internet port.



V1.2
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