Specification

For

USB 802.11 b/g/n

WiFi Module

TWR0063

Rev. 1.0

2012-2017 Pulse(Suzhou) Wireless Products Co., Ltd

Overview

TWR0063 is 802.11 b/g/n 2.4G with USB2.0 interface module. It operated in ISM frequency band with low power consumption and it use highly integrated SOC chip MT7601UN with 150Mbps PHY 2.4G delivers superior WiFi output up to 16dBm.

TWR0063 provide high performance design for wireless connection with popular USB interface. It is good choose for high throughput networking and multimedia application. In addition, it also support security encryption through WPA, WPA2 ..and so on.

This document is confidential

■ Feature

1. IEE 802.11 b/g/n mode with support of 150Mbps PHY rate

2. IEEE 802.11 b/g/n client

3. 802.11e QoS support of WFA WMM, WMM PS

4. 802.11 d/h/k compliant

5. 1/2/3/4-wire PTA Wi-Fi / Bluetooth coexistence support

6. Supports 802.11w protected managed frame

7. Security : WFA WPA/WPA2 personal, WPS2.0, WAPI

8. Supports Wi-Fi Direct

9. USB 2.0/1.1 interface

10. Antenna: Option for IPEX-I & ChipAntenna

11. **Support Windows XP/Vista/7/8, Linux 2.6.x and MAC OS**

12. USB 2.0/1.1   2.0-pitch 4 pin header (option)

■ Application

Desk-Top/Mini PC/Note-Book

Mobile, portable smart device

Set-top box/Media player

IP-Cam

Tablet

Blue-ray Disk

■ Property

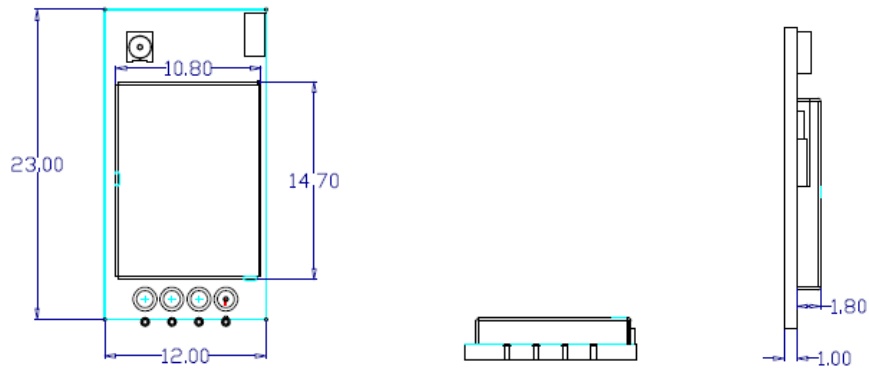| Main Chip	Mediatek MT7601U
WiFi Standard	IEEE 802.11 b/g/n
Frequency	2.4~2.4835GHz
USB type	2.0/1.1
Modulation	OFDM/DBPSK/DQPSK/CCK
Spectrum	DSSS
TX Power	54M: 14dBm
	11M: 16 dBm
RX Sensitivity	1M: -90dBm@8% PER
	6M:-88dBm@10% PER
	11M:-85dBm @8% PER
	54M:-68dBm @10% PER
	108M:-68dBm @ 10% PER
	130M:-68dBm @ 10% PER
Operating Voltage	3.3V, (Min:3.0V, Type: 3.3V, Max:3.6V)
Temperature	Operating:-5°C ~ 60°C Storage: -20°C ~ 80°C
Antenna	IPEX-I or Chip antenna
Dimension	10.8x14.7x 3.2mm

■ Platform

OS	CPU	Status
Windows (XP/Vista/Win7/Win10)	X86/X64	Ready
Linux 2.6 above	ARM, MIPS	Ready

■ Pin out

Pin no.	Name	In/Out/P/G	Function
1	VDD	P	VDD Power
2	DM	I/O	USB D-
3	DP	I/O	USB D+
4	GND	G	Ground

■ Module Dimension

■ Module Packing

Top view

Plastic tray covers the modules
Plastic Tape wrapped around
20pcs of the modules per tray

Bottom view

Cardboard
Plastic Tape wrapped around
250mm
330mm

Profile view

5 levels of Plastic trays
Cardboard
Plastic Tape wrapped around
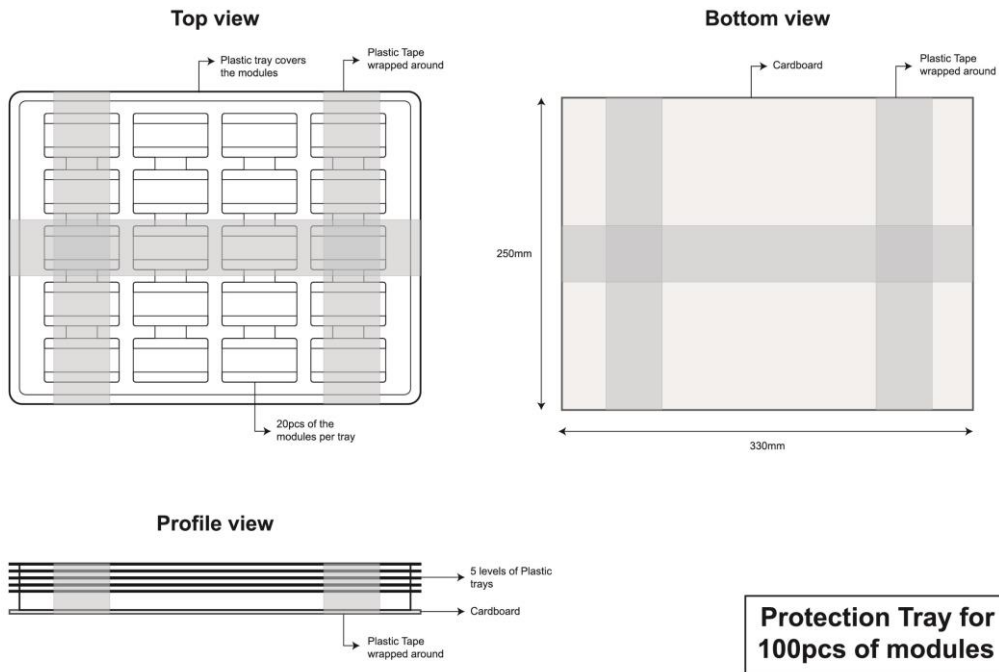
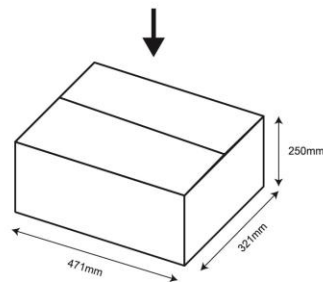**Protection Tray for 100pcs of modules**
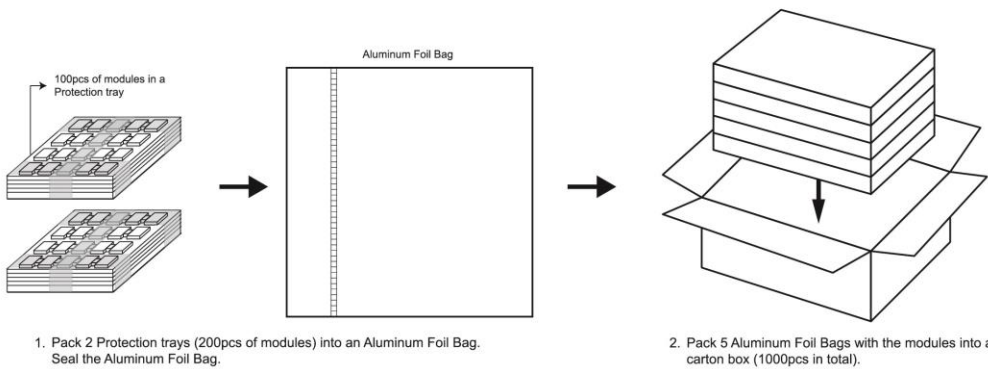
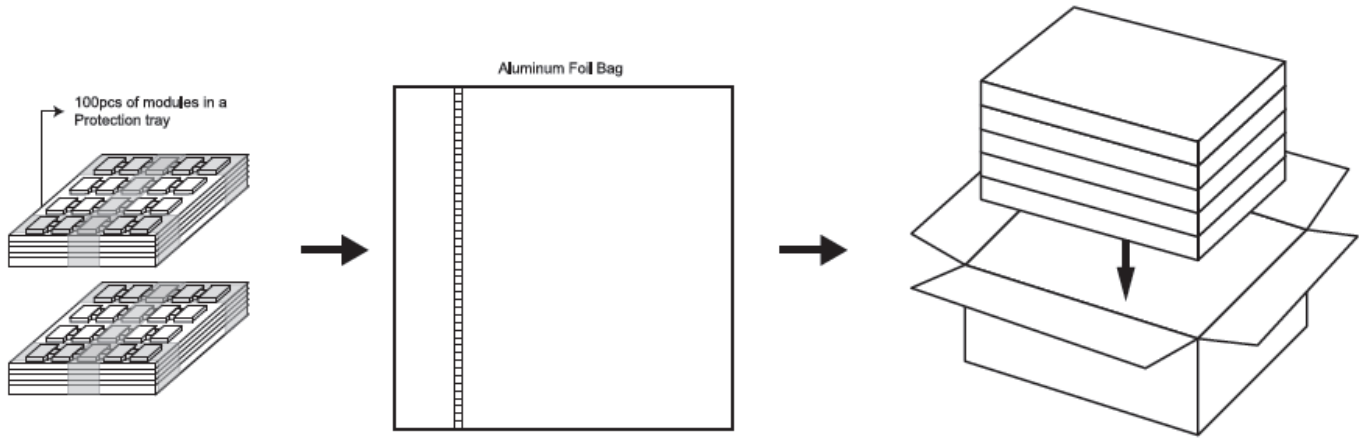100pcs of modules in a Protection tray

Aluminum Foil Bag

1. Pack 2 Protection trays (200pcs of modules) into an Aluminum Foil Bag. Seal the Aluminum Foil Bag.

2. Pack 5 Aluminum Foil Bags with the modules into a carton box (1000pcs in total).

Carton Box Packing Instruction

250mm
321mm
471mm

Carton Size: 471 x 321 x 250mm
Q'TY: 1000 pcs

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**Carton Box
Packing Instruction**

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