

WT11EC USER'S MANUAL

Over View

This device is a class 1,Bluetooth® 2.0+EDR (Enhanced Data Rates)module.

Physical Specifications

Table A-1 Physical Specification

Dimensions	W: 43mm D: 20mm H: 4.3mm
Weight	4g
Input / output	UART interface/Power/antenna
Input voltage	3.3V \pm 5%
Operating temperature	-40 to +85
Storage temperature	-40 to +85

Wireless specifications

Table A-2 Wireless Specifications

Standard	Bluetooth Version 2.0 Class 1
Frequency modulation technique T	GFSK(1Mbps), $\pi/4$ DQPSK(2Mbps), 8DPSK(3Mbps)
Hopping	1600hops,1MHz channel space
Frequency Range	2404-2478MHz
Output power	12dBm

Installation Guide

1. Module connected to UART Port on the mother Board in your Equipment. (see below)

Antenna

Top View

Bottom View



Mother Board

Connect to UARTPort

UART Port

NAME	SPEC	MODEL
I/F Connector	UART Port	DF16-40DP-0.5v
RF Connector	Antenna coaxial connector	U.FL-R-SMT

*We are preparing driver software.

Confirm the homepage of Microsoft to the method of installing the driver software.

You must make sure that 20cm minimum separation is maintained between users and the antenna.

Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Regulatory Information

Compliance statement to FCC/IC

This module complies with part 15 of the FCC rules and IC RSS-210.

Operation is subject to the following 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.

RF exposure compliance

- 1) To comply with FCC/IC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.
- 2) This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Requirements to end product

This module must be integrated only by OEM integrators under the following conditions.

- (1) OEM integrator has to be aware not provide information to the users regarding how to install or remove this module in the users manual of the end product which integrate this module. Installation by end users is strictly prohibited.
- (2) Antenna
OEM integrator shall use this module without any modifications including antenna.
If module integrator uses a unique antenna, the FCC certification is required for the end product.
OEM integrator must make sure that 20cm minimum separation is maintained between users and the antenna.
- (3) Co-location.
This module must not be co-located or operated in conjunction with any other antenna or transmitter. The module integrator shall obtain FCC approval for the end product, if the module is used for co-location operation.
- (4) Markings
To satisfy FCC/IC exterior labeling requirements, the following text must be placed on the exterior of the end product.
Contains Module FCC ID: H5P-WT11EC, IC: 6050A-WT11EC
Any similar wording that expresses the same meaning may be used.
- (5) Caution to user for modification
The following caution is expressed on the user's instruction manual.
The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.
- (6) Compliance statement to FCC
The following statement is expressed on the user's instruction manual.

For Class B device;

NOTE: 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 or more 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.

(7) Compliance statement to IC

The following statement is expressed on the user's instruction manual.

Operation is subject to the following 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.