

# User mamnual

## 1. Functional Description

CD16BTR01X and 2 other types(CD16BTR06X, CD16BTR90X) are sticker device that can easily attach to the things(like as box, equipment...). This Device only can do Tx. It is not support to RX. Use APP or PC to locate their things by finding with the BLE system(like as SamrtPhone, BLE Gateway...)

## 2. Features

- BLE - compliant
- Compact dimension: 41.48mm x 28.39mm x 2.6mm
- Host Interfaces: UART Interface
- RoHS compliant
- Supply voltage range  
Nominal Voltage 3.0V(1.7V ~ 3.3V)

## 3. Electrical Characteristics

### **-.Absolute Maximum Ratings**

Item	Spec.			Unit	Condition
	Min	Typ.	Max		
ADV		63		uA	Average
Sleep		1.7		uA	Average

### **-.Recommended Operating & Environmental Conditions**

Items	Parameter	Spec.			Unit	Condition
		Min	Typ.	Max		
Temp	Operating Temperature	-10		50	°C	
	Storage Temperature	-20		60	°C	
Weight		3.85 ±5%			g	
					g	

## 4. RF Specifications

All measurements are made under nominal supply voltage, room temperature, and conducted conditions at each antenna port except antenna.

Items	Parameter	Spec.			Unit	Condition
		Min	Typ.	Max		
Tx	Transmit Frequency	2360		2500	MHz	Bluetooth 5.0
	Transmit Power	-	4	-	dBm	
	Frequency Deviation	-	±250	-	KHz	BLE 1Mbps

## 5. FCC

### FCC ID : 2AFWN-CD16BTR01X

#### FCC Information to User

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 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.

## Caution

THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

## IMPORTANT NOTE : FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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 of the device.

## 6. CE Traceability

Product Name: Coin Tag

Model Name: CD16BTR01X

( Series Model Name: CD16BTR06X and CD16BTR90X)

Manufacturer: SOLUM CO., LTD

(Address: 357, Yongin Techno Valley Building A, Guseong-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 16914, Republic of Korea )