KBLED41

- BLE USB HID Dongle -

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 con-nected.
 • Consult the dealer or an experienced radio/TV technician for help.

Caution
Modifications not expressly approved by the party responsible for compliance
could void the user's authority to operate the equipment.

FCC Compliance Information : 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.

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.

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www.koamtac.com

1. Overview

The KBLED41 BLE USB HID Dongle enables users to use KDC280 for sending data to PC directly as like keyboard.
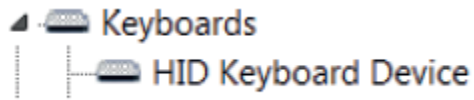
- The KDC280 communicates with the dongle using the Bluetooth Low Energy(BLE) protocol V4.1.
- The KBLED41 BLE USB HID Dongle communicates with PC using USB HID protocol.
- Connecting between KDC280 and KBLED41 BLE USB HID dongle can be done simply by inserting KBLED41 dongle into the USB port of Windows PC and scanning the barcode attached to the KBLED41 dongle.

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2. Basic specifications

Item		Specifciation
Hardware	CPU	Bluetooth Low Energy: nRF51822
		USB HID: ATSAMD11
	Operating Voltage	4.5 ~ 5.5V(USB Power Supply)
	Power consumption	5V, 30mA Max
Interface	Bluetooth Low Energy	V4.1 Frequency: 2.4Ghz Range: 20 meters
	USB	USB 2.1 Full speed 12 Mbps
Physical	Dimensions	22mm x 15mm x 5.35mm
	Weight	2.0g
Environment	Drop Spec	5′ (1.5 m)
	Tumble (Height: 0.5m)	500 cycles (1000 drops)
	Operating Temperature	-4˚F to 122˚F (-20˚C to 50˚C)
	Storage Temperature	-4˚F to 140˚F (-20˚C to 60˚C)
	Humidity Spec	5% to 95% (non-condensing)
Others	Compliance	KC, FCC, R&TTE, TELEC, RoHS

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3. Operations

1. Insert KBLED41 BLE USB HID Dongle into Windows PC.
2. Windows PC will automatically install "HID Keyboard device" in the Device manager of Control Panel as below picture.

3. Scan Connect Barcode to connect KDC280 to KBLED41 BLE USB HID Dongle.

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