KDCSLED-HF
User Manual

Rev 1.1
April 2018

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

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.

FCC RF Exposure Information

This equipment complies with FCC RF exposure limit requirements set for in an uncontrolled environment

 FCC ID: VH9KDCSLED-HF

1. Introduction

KDCSLED-HF

KDCSLED-HF is a communication module which includes NFC module which is reading from and writing to the RFID(NFC) tag. It confirms to various industry standard RF protocols of NFC. When it is connected to KDC Sled model(as like KDC470), it enables user to collect data with NFC Tag.

To find out more about KOAMTAC, Inc. and our family of products, visit us at www.KOAMTAC.com.

1.1 Specification

Frequency	13.56MHz
Supported standard	ISO/IEC 14443A, 14443B, 15693 MIFARE 1K/4K, Ultralight
Interfaces	I2C
Supply Voltage	3.3V
Dimensions	104.5mm(L)x60mm(W)x10mm(H)
Weight	39.5g
Drop Spec	4 feet(1.22M)
Operating Temperature	32˚F (0˚C) ~ 113˚F (45˚C)
Storage Temperature	-4˚F (-20˚C) ~ 113˚F (45˚C)
Humidity	5% ~ 85% (noncondensing)

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1.2 Package

The standard KDCSLED-HF package contains:

1. One KDCSLED-HF

2. 4 screws + 1 extra

1.3 Installation

- Align KDCSLED-HF screw holes to screw holes on KDC SLED.(As like KDC470)

- Use 4 screws to fasten KDCSLED-HF to KDC SLED.

* One spare screw is provided

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2. Operating your KDCSLED-HF

2.1 Configuration

NFC Power

- Turning NFC Power on or off

- Options: Enable/Disable
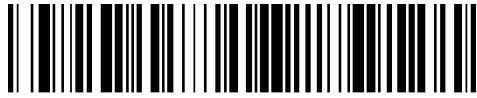
Data Format

- Options: Data only/Packet data.

UID Only

- Enable or Disable UID Only menu
- The KDC only sends UID data to the host device when the KDC is in UID Only mode.

2.2 Configuration barcodes

Enable NFC Power	Disable NFC Power
┰MKDCN0001.	┰MKDCN0010.
NFC Data Format = Data only	NFC Data Format = Packet data
┰MKDCN1001.	┰MKDCN1000.
UID Only = Enable	UID Only = Disable
┰MKDCN3001.	┰MKDCN3000.

New Data Format = Enable	New Data Format = Disable
┬MKDCN4001.	┬MKDCN4010.

2.3 How to read NFC Tags

1. Enable the **NFC Power** option in the **NFC Config** menu.

2. Touch the NFC tag to the back of the KDCSLED-HF case and make sure the tag and case are within 5cm of each other.

Location for reading NFC Tag

3. The KDC will show the NFC tag UID and the user will hear a short beep if it has been read successfully.

3. Warranty

LIMITED WARRANTY AND DISCLAIMERS

BY OPENING THE PACKAGE OF THIS PRODUCT YOU AGREE TO BECOME BOUND BY THE LIABILITY AND WARRANTY CONDITIONS AS DESCRIBED BELOW.

UNDER ALL CIRCUMSTANCES, THIS MANUAL SHOULD BE READ ATTENTIVELY, BEFORE INSTALLING AND OR USING THE PRODUCT.

Serial Number

A serial number appears on the KDC label. This official registration number is strictly related to the device purchased. Make sure that the serial number appearing on your KDC is not removed. Removing the serial number will affect the warranty conditions and liability disadvantageously, so please maintain the label with serial number on the KDC.   Units with the serial number label removed should not be operated.

Warranty/Warranty Period/Liability

KOAMTAC, Inc. ("KOAMTAC") manufactures its hardware products in accordance with industry-standard practices. Unless otherwise agreed in a contract, KDC is warranted for a period of one year after purchase, covering defects in material and workmanship except rechargeable battery. KOAMTAC will repair or, at its opinion, replace products that prove to be defective in material or workmanship under proper use during the warranty period. KOAMTAC will not be liable in cases (i) in which the unit   has been repaired or altered unless done or approved by KOAMTAC, (ii) in which the unit   has not been maintained in accordance with any operating or handling instructions supplied by KOAMTAC, (iii) in which the unit has been subjected to unusual physical or electrical stress, misuse, abuse, power shortage, negligence or accident or (iv) in which the unit has been used other than in accordance with the product operating and handling instructions. Preventive maintenance is the responsibility of the customer and is not covered under this warranty. Under no circumstance will KOAMTAC be liable for any direct, indirect, consequential or incidental damages arising out of use or inability to use either the hardware or software, even if KOAMTAC has been informed about the possibility of such damages.

Warranty Coverage and Procedure

During the warranty period, KOAMTAC will repair or replace defective products returned to KOAMTAC warehouse. International customers should contact the local KOAMTAC office or support center. If warranty service is required, KOAMTAC will issue a Return Material Authorization Number. Products must be shipped in the original or comparable package, shipping and insurance charges prepaid. KOAMTAC will ship the repaired or replacement product freight and insurance prepaid. Customer accepts full responsibility for its software and data including the appropriate backup thereof. Repair or replacement of a product during warranty will not extend the original warranty term.

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

4. Contact Information

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