



2.0. Features

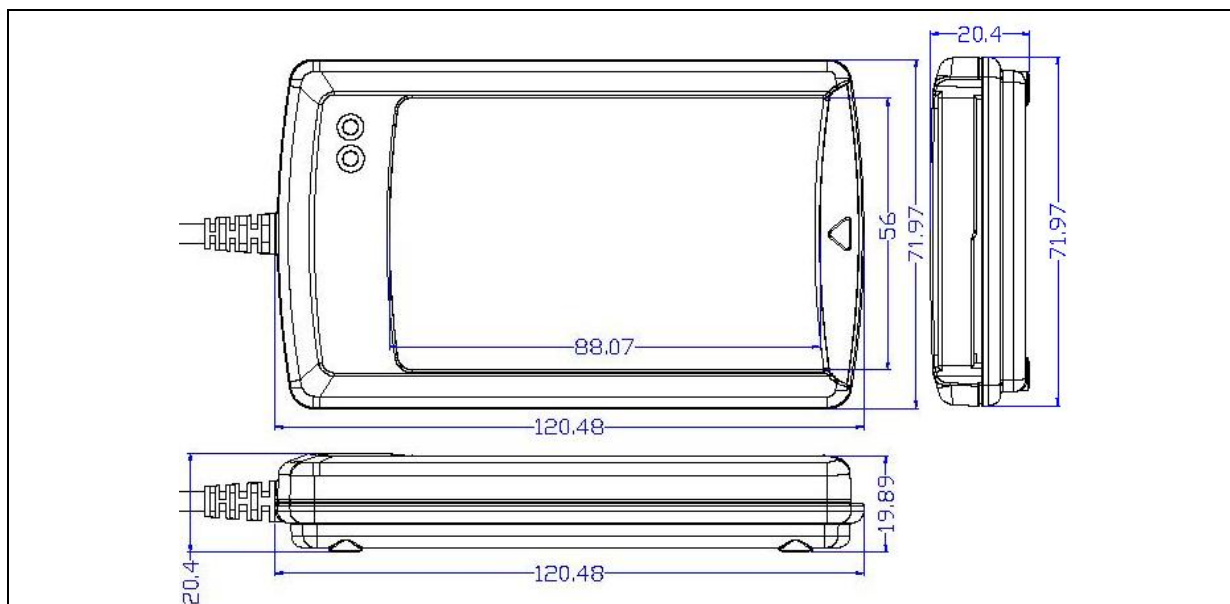
- USB 2.0 Full Speed Interface
- USB HID Keyboard Class Emulation
- Contactless Card Support:
 - Read/Write speed of up to 848 Kbps
 - Built-in antenna for contactless tag access, with card reading distance of up to 50 mm (depending on tag type)
 - Supports ISO 14443 Part 4 Type A and B cards, and MIFARE® cards
 - Built-in anti-collision feature (only one tag is accessed at any time)
- USB Firmware Upgradability
- Compliant with the following standards:
 - ISO 14443
 - CE
 - FCC
 - RoHS 2



3.0. Typical Applications

- e-Government
- e-Banking and e-Payment
- e-Healthcare
- Transportation
- Network Security
- Access Control
- Loyalty Program

4.0. Technical Specifications



Universal Serial Bus Interface

Power Source..... From USB
Speed..... 12 Mbps (Full Speed)
USB Host Interface USB HID Keyboard Class
Supply Voltage Regulated 5 V DC
Supply Current 200 mA

Contactless Smart Card Interface

Standard ISO 14443 A and B Parts 1-4
Smart Card Read/Write Speed..... 106 Kbps, 212 Kbps, 424 Kbps, 848 Kbps
Operating Frequency 13.56 MHz
Operating Distance Up to 50 mm (depending on card type)
Antenna Size..... 65 mm x 60 mm

Built-in Peripherals

LEDs Red and Green
Buzzer Monotone

Physical Specifications

Dimensions 120.5 mm (L) x 72.0 mm (W) x 20.4 mm (H)
Weight..... 140 g
Color Black
Cable Length..... 2 m (USB)

Operating Conditions

Temperature..... 0 °C – 50 °C
Humidity Max. 90% (non-condensing)
MTBF 500,000 hrs

Certifications/Compliance

ISO 14443, HID, CE, FCC, RoHS 2, USB Full Speed

Operating System Support

Windows®, Linux®, Mac OS®



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