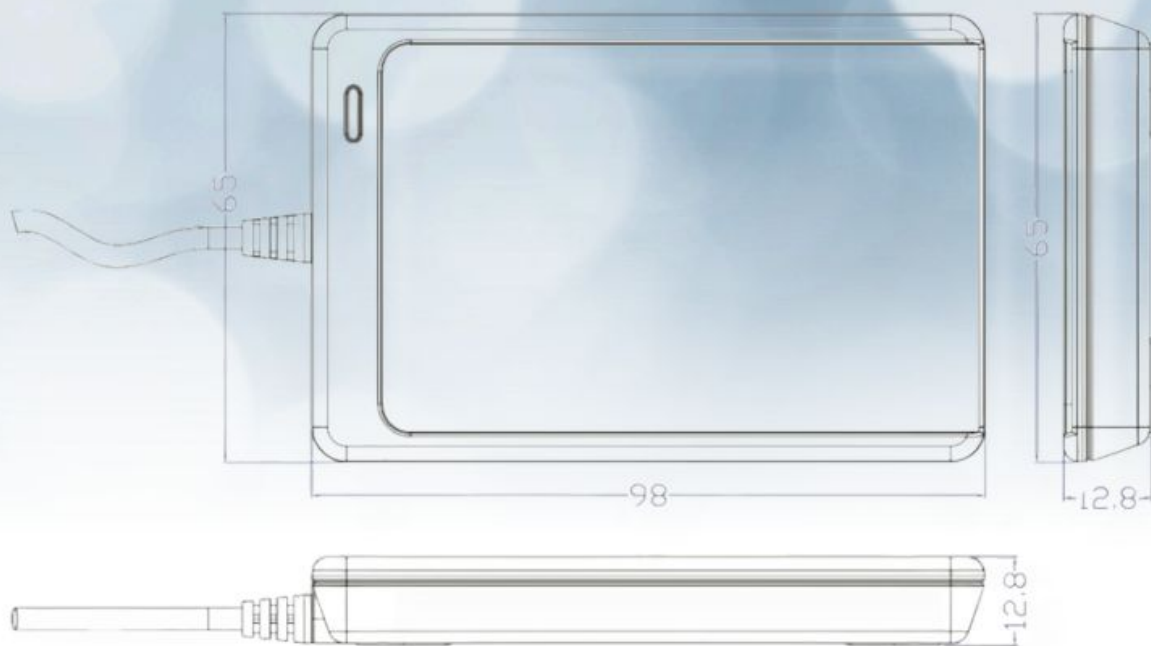

RFID Encoder

Professional Smart Card Reader & Writer

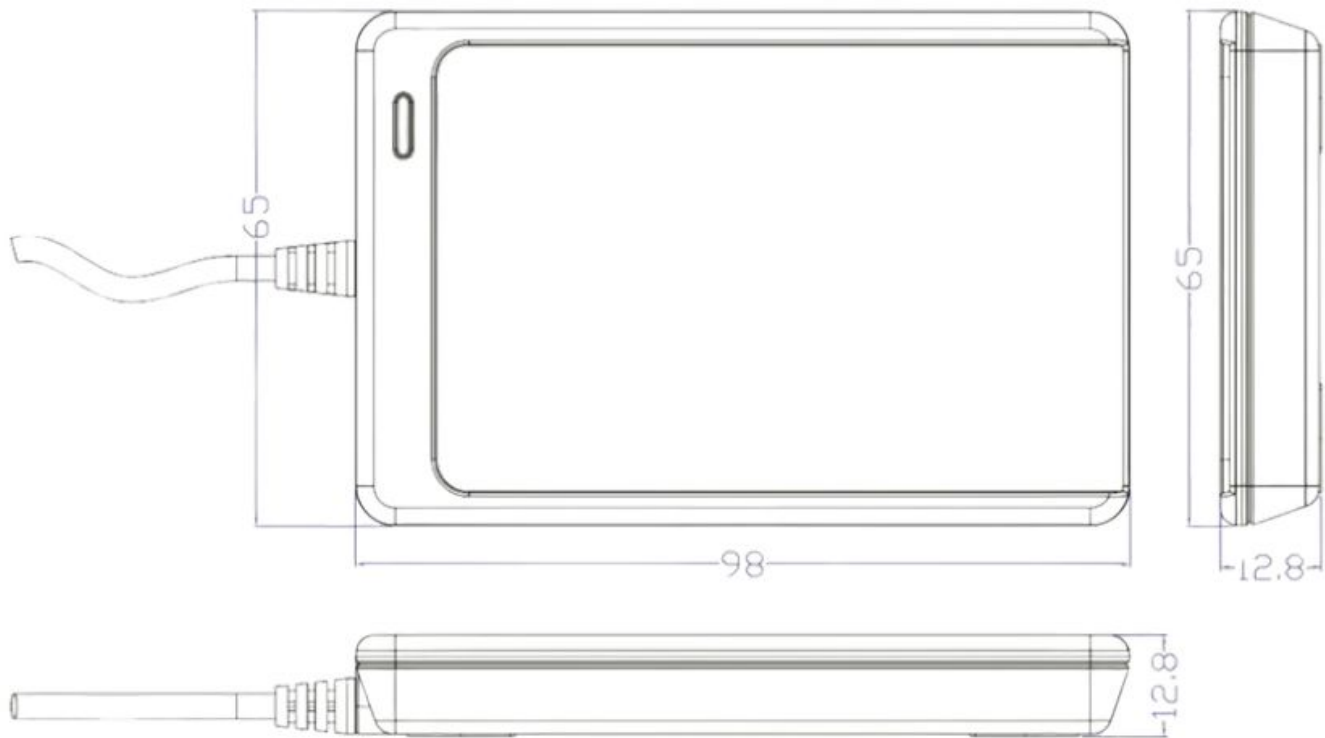
LX-USB-RRFID



Simplify hotel access credential management with the Luxio Controls RFID Encoder. Designed for fast and reliable contactless card reading and writing, it supports MIFARE, FeliCa, NFC, and ISO 14443 Type A and B technologies. With high-speed USB connectivity and broad platform compatibility, it provides an efficient solution for programming guest access cards and integrating them into modern hotel access control systems.

Dimensions

(in mm)



Features & Compatibility

The RFID Programmer is a PC-linked contactless smart card reader/writer operating at 13.56 MHz, featuring a USB 2.0 Full Speed interface and CCID compliance for seamless integration across multiple platforms. It supports ISO 14443 Type A and B cards, MIFARE, FeliCa, and all four NFC tag types defined by ISO/IEC 18092, with read/write speeds of up to 424 kbps and a built-in antenna providing a reading distance of up to 50 mm depending on the tag type. An integrated anti-collision function ensures reliable single-tag access. The device supports PC/SC and CT-API programming interfaces and includes a user-controllable bi-color LED and buzzer for visual and audible feedback. It is compatible with Android OS 3.1 and above and complies with key industry standards and certifications including ISO 14443, CE, FCC, KC, VCCI, PC/SC, CCID, Microsoft WHQL, and RoHS, providing a compact, fast, and reliable solution for professional hotel access control applications.

Technical Specifications

Parameter	Value
Product Name	ACR122U NFC Reader
Power Source	USB
Speed	USB Full Speed (12 Mbps)
Supply Voltage	5V DC
Supply Current	200 mA (max.)
Standard	ISO 14443 Type A & B, FeliCa, NFC (ISO 18092)
Protocol	T=CL
Operating Frequency	13.56 MHz
Operating Distance	Up to 50 mm
Smart Card Read/Write Speed	Up to 424 kbps
Dimensions (H x W x D)	98 x 65 x 12.8 mm
Weight	70 g
Material	PC/ABS
Color	Black
Antenna Size	Built-in
Cable Length	1.2 m
Bi-Color LED	Yes
Buzzer	Yes
Temperature	0 - 50 °C
Humidity	10% - 90%
API Support	PC/SC, CT-API (wrapper on top of PC/SC)
Standards	ISO 14443, CE, FCC, KC, VCCI, PC/SC, CCID, RoHS, USB Full Speed
Microsoft WHQL	Windows 2000, XP, Vista, 7, 8, Server 2003/2008/2012
Operating Systems	Windows, Linux, Mac, Android 3.1+

About Luxio Controls

Luxiospecializes in hotel automation solutions for both the retrofit and new-build markets. We use state-of-the-art technologies to increase the energy efficiency of hotel rooms and the productivity of hotel staff by streamlining operating processes. Our products have been developed for the hotel industry.

Luxio typically saves hoteliers an average of up to 40% in energy costs and 30% on staff count per property. Luxio is known to increase guest satisfaction, which is positively reflected in online guest reviews. According to a US Environmental Protection Agency calculation, installing one Luxio Room Kit is equal to planting 535 trees.

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