

RFID Bluetooth Reader



Product Overview

PU0049 is equipped with 3rd-generation X3M1 RFID reader chip, with a maximum transmission power of 33dBm and a reception sensitivity of <-86dBm. Combined with a 3.5dBic circularly polarized antenna, it achieves a reading speed of over 1000 tags per second, with a reading range exceeding 10 meters. It uses a 4500mAh 21700 standard battery pack, which users can replace themselves to ensure long-lasting operation.

It can be equipped with options such as the Zebra E4107 and Newland N1 2D barcode scanners to meet diverse scanning needs. The LED status indicator provides clear visibility, allowing real-time monitoring of battery level, Bluetooth connection status, RFID reading status, and barcode scanning status. Suitable for warehouse management, retail logistics, asset inventory, industrial manufacturing, and other scenarios, providing efficient and convenient RFID identification solutions.

Key Feature

RFID Reader Chip: Utilizes 3rd-generation UHF RFID chip, engineered for scalability, stability, and advanced functionality

Exceptional RFID Performance: Adopts the best RFID circuit design and RFID signal optimization algorithms to achieve a read rate of over 500 tags per second.

Integrated 3.5dBi Antenna: Significantly enhances the signal strength and coverage range of the RFID reader, enabling effective reading of tags at greater distances.

UHF Op. Frequency: FCC 902-928MHz, ETSI 865-868MHz, JP 916-920MHz

Supports a variety of Air Interface Protocols: Supports ISO 18000-6C/6B and proprietary sensors protocols.

Adjustable Output Power: Adjustable 0-33dBm output power, ensuring +1dBm accuracy in read range

Physical Specs

Overall Size	174.6mm x 80.5mm x135mm
Overall Weight	<750g (depending on device configuration)
Battery Capacity	4500mAh 21700 standard battery pack. Customers can purchase and replace standard batteries themselves
LED Indicator	Battery level, Bluetooth connection status RFID reading status,Barcode Scanning Indicator
Communication	BLE5.0 Bluetooth interface USB 2.0 HID plug-and-play interface
Side Button	Bluetooth on/off button,Power button

Barcode Scanning

2D Scanning	Optional support for Zebra E4107 and Newland N1 2D barcode scanners
1D	UPC/EAN, Code128, Code39, Code93, Code11 Interleaved 2 of 5, Discrete 2 of 5
Barcode Types	Postal barcodes: USPS Planet, USPS Postal China Post, Korea Post, Australian Postal Japan Postal, Dutch Postal (KIX), Royal Mail Canadian Customs, etc.
2D	PDF417, MicroPDF417, Composite, RSS, TLC-39 Datamatrix, QRcode, Micro QR code, Aztec, MaxiCode, HanXin, etc.

UHF RFID

Chip	Third-generation X3M1 chip
Op. Frequency	920-925MHz China, 902-928MHz American 865-868MHz (ETSI EN 302 208) European, 916-920MHz Japan
Protocol Standards	Supports EPC C1 GEN2/ISO18000-6C
Antenna	Circular polarized antenna (3.5dBi)
Operating	Up to 10 meters
Multi-tag Reading	>500 tags per second (circular polarization)

Note:

1. If the manual changes, please refer to the latest version.
2. Xiamen Innov Information Science & Technology Co., Ltd. reserves the right of final explanations.