

JNM A7 - UHF RFID Portable Reader

The A7 is a sleek, all-in-one ultra-high frequency (UHF) RFID reader designed for portability and ease of use, boasting a plug-and-play functionality that ensures seamless integration. It features a proprietary UHF RFID reader chip from Jainam RFID and integrates a single-fed point ceramic RFID antenna, delivering exceptional performance and dependable solutions for a variety of applications.

With just a USB Type C interface, users can effortlessly manage the module's operations via an extensive API function library. The RF-A7 module is versatile and can be tailored to fit any application scenario, providing a robust solution for your specific needs.

The RF-A7's compact design cleverly integrates the radio frequency front end, controller, and additional circuits into a miniaturized module, facilitating straightforward integration into a wide array of devices and systems. This streamlined approach simplifies the development process, allowing for a more agile and efficient deployment of RFID technology.



Chips

Powered by Jainam RFID's proprietary UHF RFID chip GXR-03

Exceptional RFID Performance

Optimized to meet the demands of various application environments

Supports a variety of air interface

Supports ISO 18000-6C/6B and proprietary sensors protocols

RSSI

Enabling the evaluation and optimization of RFID communication quality

On-The-GO

Directly connected to mobile devices to achieve On-The-Go (OTG) functionality

Tag Data Filter

Filters RFID tag data based on user criteria for pertinent insights

Product Name	UHF RFID Portable Reader
Model	A7

Specs

Size	62.5mm×48.0mm×9.0mm
Weight	37g

Features

	ISO 18000-6C/6B
Air Protocol	EPC C1G2
	Temperature sensors protocols
	Humidity sensors protocols
Interface	Type C, Bluetooth (optional)

Performance

Op. Frequency	902 to 928MHz
RF Power	0 to 18dBm
Mode	Fixed/Hopping
Modulation	PR-ASK, DSB-ASK
Decode	FM0, Miller 2/4/8
Read Range	0 to 0.3m (config. dependent)
Write Range	0 to 0.1m (config. dependent)
Tag Speed	>100 reads/sec
Multi-Tag	100 tags/3 sec
Base Rate	40k, 160k, 320k, 400k
Power	Type C
	+5.5V
Consumption	1.2W @ +18dBm

Env.

Op. Temp.	-20 °C to 70 °C
Store Temp.	-40 °C to 85 °C
Humidity	10-95% RH NC

Product Illustration

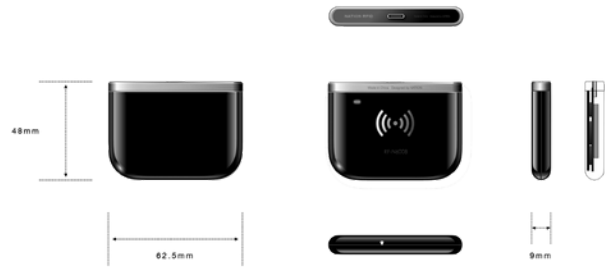


Figure 1 A7



Figure 2 A7



Figure 3 A7

Note: The product's appearance, dimensions, and technical specifications are for reference only. Changes will not be notified separately.