

## Introduction

The SUNRFID SUN6830 is a main unit UHF antenna reader and writer. It is designed to operate with UHF passive tags and is compatible with the EPC CLASS1 GEN2 protocol. The device is capable of fast single card identification and can be configured for multi-device identification. It features a reading range of up to 4 meters and includes RS232 and USB interfaces.



## Key Features

**Reading Range:** Can identify tags from a distance, with typical reading ranges of up to 4 meters. This makes it ideal for applications such as warehouse inventory management, supply chain logistics, and vehicle tracking.

**High-Speed Reading:** Capable of reading multiple tags simultaneously and quickly, which is essential for environments with a high volume of tagged items, like conveyor belts.

**Protocols:** Compatible with standard protocols, such as EPC Class 1 Gen 2, ensuring interoperability between tags and readers from different manufacturers.

**Interfaces:** Equipped with interfaces, USB and RS232, for easy integration with existing computer systems and AGen software.

Specification	Parameter
Supported Protocol	ISO18000-6B, ISO18000-6C (EPC GEN 2)
Frequency	919–923 MHz band
RF Power	0 to 30dBm
Reading Speed	1 card <10ms
Working Mode	Active and timer mode
Communication	RS232, USB, Optional (TCP/IP)
Reading Range	0 to 4 meter
Indicator	LED, Buzzer
Size	215mm x 215mm x 50mm
Weight	800g
Operating Temperature	0°C to 70°C
Water Proof	Yes