

# UHF RFID Reader with Integrated Antenna

This high-performance UHF RFID reader is designed for access control and other applications. It supports multiple RFID protocols and offers reliable data capture in demanding environments.



## ADDITIONAL IMAGES



## Overview

### High-Performance UHF RFID Reader

This industrial-grade UHF RFID reader is engineered for high-demand environments requiring reliable, 24/7 operation. Built with a robust die-cast aluminum alloy housing, it features advanced multi-tag recognition algorithms and a dual CPU architecture for parallel data processing. Designed for seamless integration, it supports multiple global frequency standards and offers flexible communication interfaces, making it an ideal solution for asset tracking, inventory management, and access control.

## Key Performance Metrics

### Key Performance Metrics

**700 pcs/sec**

Inventory Tag Peak Speed

**33 dBm**

Max Output Power

**1000 tags**

Tag Cache Capacity

## Technical Specifications

Dimensions	230mm (L) x 160mm (W) x 28mm (H)
Net Weight	1.8 kg
Body Material	Die-cast aluminum alloy
Operating Temperature	-20°C to +55°C

## RFID Capabilities

Supported Protocols	EPC global UHF Class 1 Gen 2, ISO 18000-6C, ISO 18000-6B
Operating Frequency	860MHz – 960MHz

## Connectivity & Power

### Communication Interfaces

- RS-232
- TCP/IP

### Input Voltage

DC 12V ~ 18V

### GPIO Configuration

2 input optical couplings, 2 output optical couplings

## Operational Features

### Inventory Modes

Cache Mode • Real-time Mode

### System Monitoring Features

- Hardware CPU crash monitoring
- RFID power amplifier monitoring
- Antenna connection status monitoring
- Multi-point on-board temperature monitoring