

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

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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