

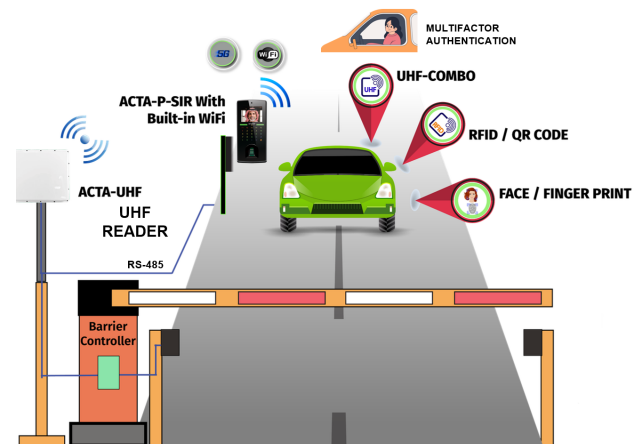
UHF Long Range Integrated RFID Reader

Jakin ID

Introduction

Enhance your access control with seamless vehicle management. The long range UHF reader integrates effortlessly with ACTatek solutions to deliver automated car park access. Authorized vehicles equipped with UHF cards or tags are detected instantly, ensuring smooth entry and exit without manual checks.

This solution extends access control beyond the building, creating a unified system for both people and vehicles.



Technical Parameter

Item	Parameter
Frequency	US(902 ~ 928MHz), China(920 ~ 925MHz), EU(865 ~ 868MHz), other frequency selectable
Protocol	ISO18000-6C,EPC G2
RF power	0 ~ 30dBm adjustable
Sensitivity	-80dBm(12dBi antenna more than 12 m)
Read speed	Multi tag-200pcs/second, single tag-2000 times/minute
Processor	ARM CORTEX M3 100M CPU
Memory	16KB tag data memory and 32KB Nonvolatile storage
Dimension	440 mm×440 mm×68.6 mm
Data Interface	100M Ethernet Interface RS485 1 set input and 1 set output (TTL),1 set relay
Power supply	DC+9V ~ +15V
Working temp	-20 ~ 60°C

Functional Description

■ ISO18000-6C / EPC G2 tag operation

Reader support ISO18000-6C, EPC G2 tag. It support Multi-tag query, read, write, selection, Single tag read, write, lock, kill.

■ Communication Function

Support Ethernet, and RS485 both-way communication interface, protocol compliant to<UHF RFID reader and PC communication protocol V2.0>

Connection Diagram

