UHF5 Pro   **UHF10 Pro**
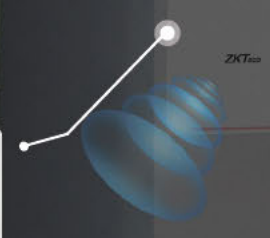
UHF5 Pro and UHF10 Pro are ZKTeco's third-generation UHF readers, with much stable performance, longer reading distance, and faster recognition speed.

The UHF reader is equipped with the passive UHF card function, which could be widely used in Vehicle Management and Personnel Management applications.

The product also meets the CE, FCC technology requirements.

Features

- Support two working modes: Trigger to Read & Always Read (Default)
- Support different wiegand data output (Wiegand 26 by default)
- LED at the bottom of readers indicating the reading status

(7-color indicators: red, green, blue, yellow, cyan, purple, white)

- Multiple communication modes, supporting Wiegand and RS485
- Protection level of IP66

Long distance fixed vehicle access management
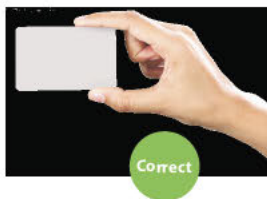
Non-contact access control management

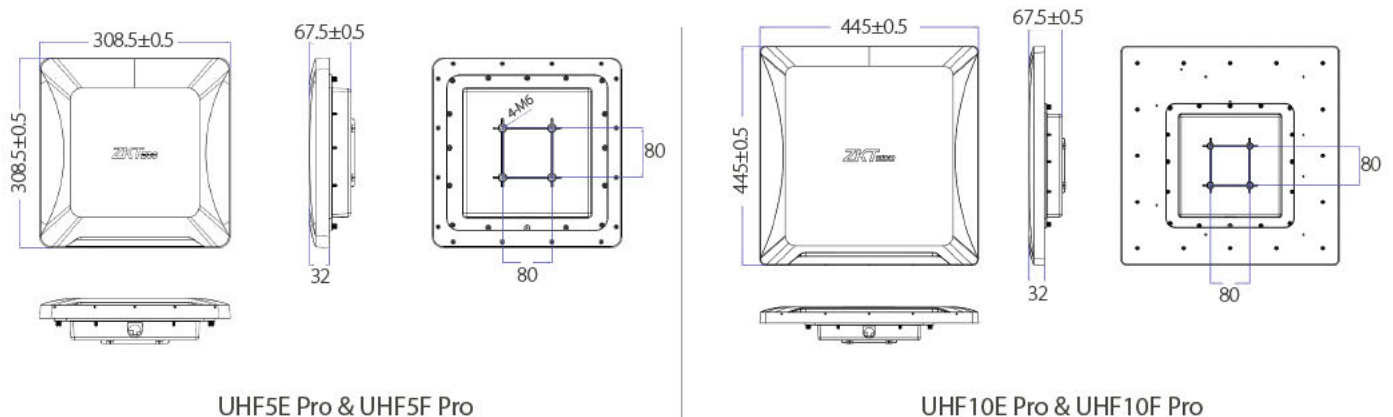Long distance pedestrain access management

Specifications

Model	UHF5E Pro & UHF5F Pro	UHF10E Pro & UHF10F Pro
Reading Distance	2 to 8 meters (Hand held test) (Actual scenario test is around 4m)	10 to 20 meters (Hand-held test) (Actual scenario test is around 8m)
Antenna Gain	9dBi	12dBi
Dimensions (mm)	308.5 * 308.5 * 67.5	445 * 445 * 67.5
Weight	1.8kg	3kg
Power	1.2 - 4.2W	1.2 - 4.5W
Frequency	E: 865MHz - 868MHz F: 902MHz - 906MHz (adjustable)	
Communication Interface	Wiegand; RS485; USB configuration parameters (Wiegand, RS485 requires one of two options)	
Interface Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C	
Working Mode	Read Always (Default) and Read by Trigger	
Output Power	19dBm - 30dBm	
Protection Level	IP66	
Working Voltage	DC 9-15V	
Working Temperature and Humidity	-20℃ - 65℃; <85%	
Storage Temperature and Humidity	-20℃ - 80℃; <85%	
RS485 Communication	Optional baud rate (9600, 19200, 38400, 57600, 115200); the default is 115200	

Note

Special note: UHF reader cannot penetrate V-KOOL, 3M, or other premium solar films that contain heavy metal to read cards from inside the car.

Dimensions (mm)

UHF5E Pro & UHF5F Pro

UHF10E Pro & UHF10F Pro

Wiring diagram

UHF reader

2 wire communication

Access controller

2 wire control

Parking barrier

Loop detector/
VR10 radar/
infrared sensor

12VDC power supply

Related products

A15

Combining with the reader to manage access control

P10

Card issuer

The card number can
be changed as required

VR10 radar

When the reader is in the trigger
mode, it will activate the card
reading function

ZKTECO CO.,LTD.