UHF10F Pro

UHF 10F Pro is 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 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

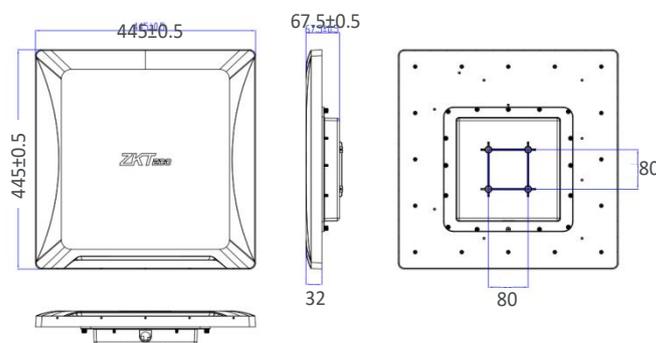Long distance pedestrain access management

Specifications

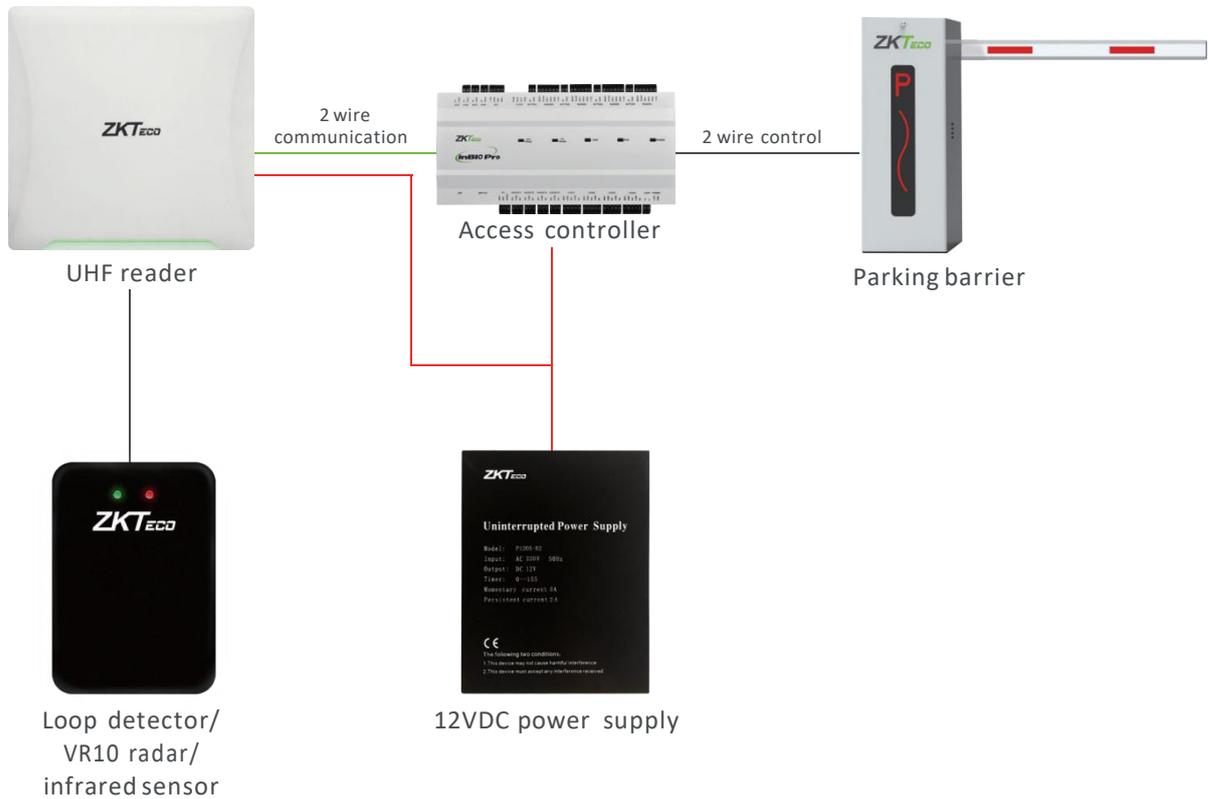| Model	UHF 10F Pro
Reading Distance	10 to 20 meters (Hand-held test) (Actual scenario test is around 8m)
Antenna	12dBi
Dimensions (mm)	445 * 445 * 67.5
Weight	3kg
Power	1.2 - 4.5W
Frequency	F: 919.5MHz - 923.0MHz (adjustable)
Communication Interface	Wiegand; RS485; USB configuration parameters (Wiegand, 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°C - 60°C;<95%
Storage Temperature and Humidity	-20°C - 60°C;<95%
RS485 Communication	Optional baud rate (9600, 19200, 38400, 57600, 115200); the default is 115200

Note

Correct

Wrong

Wrong

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)

445±0.5

445±0.5

67.5±0.5

32

80

80

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 | P10 | Card issuer | VR10 radar |

Combining with the reader to manage access control

The card number can be changed as required

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