

SMART UHF 6 & 12

Long Readers



SMART UHF 6



SMART UHF 12

Long Readers

SMART UHF 6 & 12 Long Readers are 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 pedestrian
access management

Specifications

Model	SMART UHF 6 Long Readers	SMART UHF 12 Long Readers
Reading Distance	6 meters (Hand held test) (Actual scenario test is around 4m)	12(Hand held test) (Actual scenario test is around 4m)
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°C - 65°C; <85%	
Storage Temperature and Humidity	-20°C - 80°C; <85%	
RS 485 Communication	Optional baud rate (9600, 19200, 38400, 57600, 115200); the default is 115200	

Note



Correct



Wrong



Wrong

Special note: SMART UHF 6 & 12 Long Readers cannot penetrate V-KOOL, 3M, or other premium solar films that contain heavy metal to read cards from inside the car.

Dimensions (mm)

