

LONG-RANGE UHF ENCRYPTED READER

EP-900U



Higher performance



Lower power consumption



Higher sensitivity



Longer distance

The EP-900U is a UHF RFID reader for long-range vehicle identification. Based on passive UHF technology, vehicles are identified up to 8 meters. An encrypted UHF reader is a device that reads UHF cards while employing encryption to secure the communication between the reader and the cards.

Key features:

- automatic vehicle identification read range up to 8 meters
- operates with passive UHF cards (EPC Gen 2)
- Encrypted Communication
- adjustable read range
- Support two working modes: Trigger to Read & Always Read (Default)
- Support different Wiegand data output (Wiegand 26 by default)
- Features a beeper and multicolor LED
- Protection class IP 66 rated

Model:	EP-900U
Read range:	Up to 8meters with NUVEQ passive UHF tags
Operating frequency:	919.0MHz - 923.0MHz
Antenna:	12dbi
Output Power:	19dBm - 30dBm
Communication interfaces:	RS232, RS422 and USB service interface
Communication protocols:	EPC global UHF Class 1 Gen 2 / ISO 18000-6C
Working Mode:	Read Always (Default) and Read by Trigger
Protection class :	IP66
Power Supply	12VDC +10% linear supply recommended
Power consumption:	1A @12VDC
Operating Temperature:	-20...+60°C (-22...+140°F)
Storage temperature:	-20...+60°C (-22...+140°F)
Operating Humidity	10% ... 93% relative humidity, non-condensing
Weight:	2kg
Dimensions:	305 x 305 x 75 mm



The UHF signal's reading range will be reduced if it is completely obstructed by heavy metal oxide. Users may need to lower their windows by approximately 20cm to enable the UHF signal to penetrate and read the card. To achieve optimal results, users are advised to create a rectangular opening in the film to permit the UHF signal to pass through.

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

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