

NUVEQ

LONG-RANGE UHF ENCRYPTED READER

EP - 900U

Efficient and Secure Identification for Vehicle
Access with UHF RFID Technology.

SECURE, RELIABLE, AND EFFICIENT ACCESS CONTROL

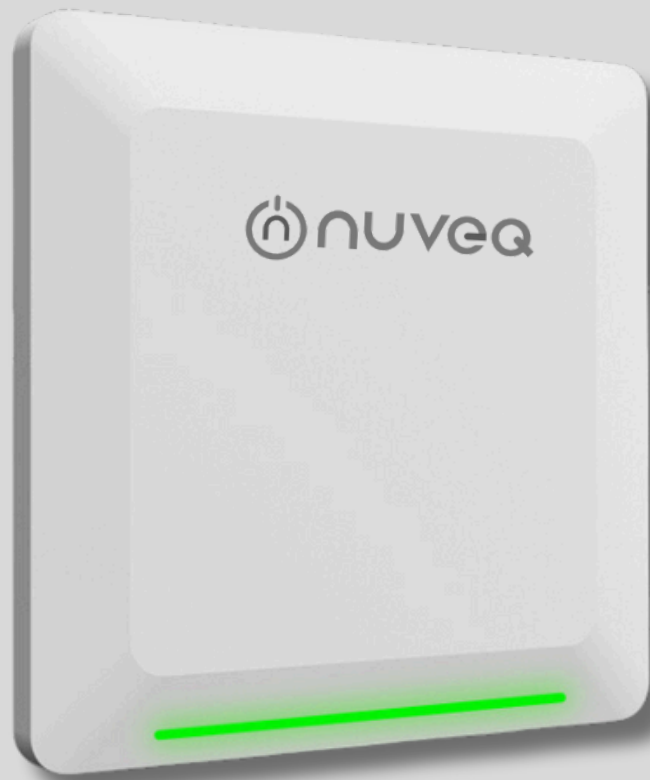
Advanced Access Control with Extended
Range and Secure Data Transmission



High
Performance



Low Power
Consumption



High
Sensitivity



Long
Distance



PC 05102004 CB 01

SECURE, RELIABLE, AND EFFICIENT ACCESS CONTROL

The NUVEQ Long-Range UHF Encrypted Reader is the ideal solution for businesses and properties requiring secure, high-speed, long-range access control. Built for performance, this reader combines advanced encryption technology with ultra-high frequency (UHF) capabilities to provide a seamless and secure user experience.

Designed for parking lots, gated communities, warehouses, and industrial facilities, the NUVEQ UHF Reader ensures that vehicles and personnel can be quickly and reliably identified, even at distances of up to 10 meters (33 feet). With its robust encryption standards, this system ensures that your access control is both efficient and secure.

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

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.

TECHNICAL DETAILS

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 PROTOCOLS

EPC global UHF Class 1 Gen 2 / ISO 18000-6C

COMMUNICATION INTERFACES:

RS232, RS422 and Weigand

WORKING MODE

Read Always (Default) and Read by Trigger

POWER SUPPLY

12VDC +10% linear supply recommended

POWER CONSUMPTION:

1A @12VDC

WORKING TEMPERATURE

-20...+60°C (-22...+140°F)

RELATIVE HUMIDITY

10% ... 93% relative humidity, non-condensing

PROTECTION LEVEL

IP55

WEIGHT

2.5Kg

DIMENSIONS

415(W) × 415(H) × 75(D)mm

