

**AR300U Xclone**



## No more illegal card cloning

### **XCLONE** Long Range Reader

AR300U Xclone is an anti clone ultra high frequency (UHF) long range reader that can read up to 10 meter off air. Xclone features Dual Security Protection (DSP) to ensure DOUBLE safety against unauthorized card duplication.

- 1** UHF card passive technology achieves long range without requiring any battery. This help save our environments by reducing battery usage.
- 2** Certified compliance to SIRIM 919 Mhz to 923 Mhz frequency range as required by Malaysia MCMC regulation. SIRIM certificate is available upon request.
- 3** No interference with other UHF card or sticker (example: Touch 'n Go RFID stickers or vehicle built-in UHF transponder).
- 4** Compact size designed to look good at your guard house entrance.
- 5** LED light at the bottom of reader to indicate reading status.



**CDUS133L**  
Anti interference UHF card.



**CDUE133L**  
Dual frequency card.  
UHF & EM 125 KHz.



**CDUM133L**  
Dual frequency card.  
UHF & Mifare 13.56 Mhz.



**CDUT133L**  
Anti Tear UHF sticker. For security purpose, the sticker cannot be reused once tear out.



**Blue**  
Successful read card



**Red**  
Power on

# Features

## More secure with DSP technology

There is a rising trend of illegal UHF card duplication which post a critical security loop hole in building access control system. Xclone is MAG proprietary Dual Security Protection (DSP) technology to achieve following double protections:

### 1. SEEK CARD

Only scan and read MAG Xclone UHF system. This prevent first attempt to duplicate with other unauthorised card or stickers.

### 2. ANTI CLONE

2nd levels encryption makes it difficult to copy the same card number.

## Specification

Description	Anti-clone UHF reader
Dimension	215 x 225 x 52mm
Frequency	919 - 923 Mhz to comply Malaysia SIRIM MCMC regulation
Data output	Wiegand 26 / 34
Reading range	Up to 10 meters off air. 2 to 6 meter depending on type of solar film.
Input	DC12V, idle : 100mA, Active reading : 500mA
Power consumption	2W
Output power	30dbi
Protection	IP66, waterproof and weather proof for outdoor installation
Working temperature	- 20 + 70°C
Storage temperature	- 40 + 85°C
Humidity 0%	95% ( non-condensing)
Standards	ISO 1800-63
Net Weight	0.8kg

## Ordering info :

**AR300U XCLONE** - Reader complete with mounting bracket

**Xclone card :**

**CDUS133L** - UHF (Anti-Clone) card (anti interference)

**CDUE133L** - UHF (Anti-Clone) and EM 125Khz card

**CDUM133L** - UHF (Anti-Clone) and Mifare 13.56Mhz card

**CDUT133L** - UHF (Anti-Clone) sticker

## Special note :

UHF reader unable to penetrate VKOOL, 3M or other premium solar film that contain heavy metal element to read card from inside of the car.

Authorised Dealer:

## More convenient with wider reading range

Enhanced wider reading range to accommodate sharp corner with narrow path. Reading angle can be adjusted by software at site to achieve a more defined desired detection area eliminating the need to loop detector.

## More accurate reading

Reader will delay 2 sec before reading the next card. This delay is to give enough time for first car to pass through before reading the next oncoming car. Reader will resume read the next card once the first car have exit the loop sensor. This is important to avoid anti-passback error on next approaching car due to false reading.

## More intuitive to hold card



CDUS133L UHF card antenna coil is designed to compensate small inductance change so that you can hold the card at the edge while still maintain same reading range. This way of holding card is more intuitive.



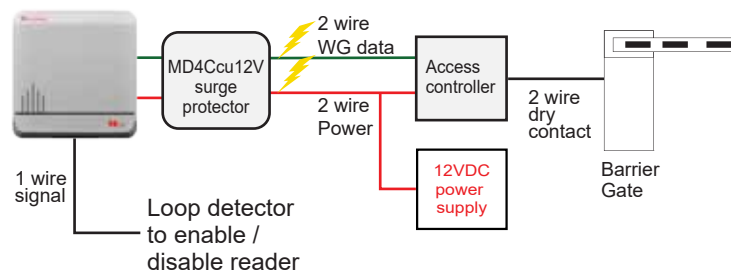
Most standard UHF card requires you to hold the card at edge. If your fingers covered a small portion of the card surface, the reading range will drop a lot. This is awkward.

## Compatible with any brand controller

AR300U send out card number via standard wiegand (WG26, WG34) interface output that is supported by most access controller in the world.

CDUS133L, CDUM133L & CDUE133L cards are printed with common WG34 and Entrypass WG26 format number to allow convenient enrollment into any software without additional dekstop reader.

## Wiring diagram



## Accessories



Metal Pole



MD4Ccu12V  
Surge Protection  
Data and 12V



NVS1230P  
Power Supply