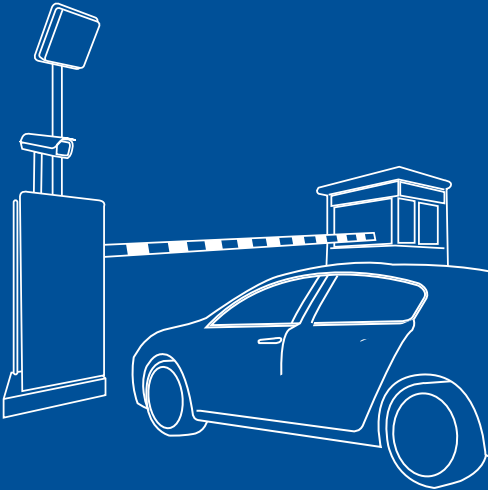




UHF RFID Reader

Long range reader for parking management



GV-RU9003

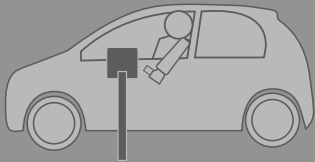
Parking Access Control



Our solution: Long Range Reader

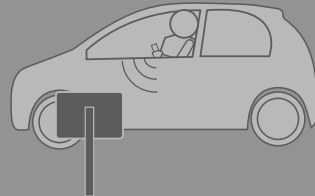
SHORT RANGE

(8cm)



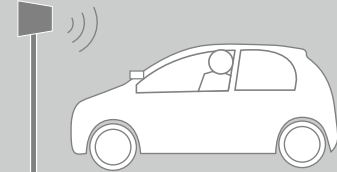
MEDIUM RANGE

(80cm-120cm)



LONG RANGE

(2m-10m)



Applications

**Gated
Communities**



Condominiums



Car Parks

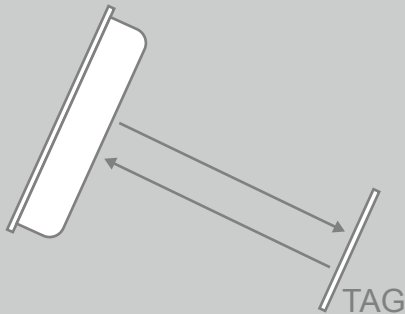


**Employee
Parking**

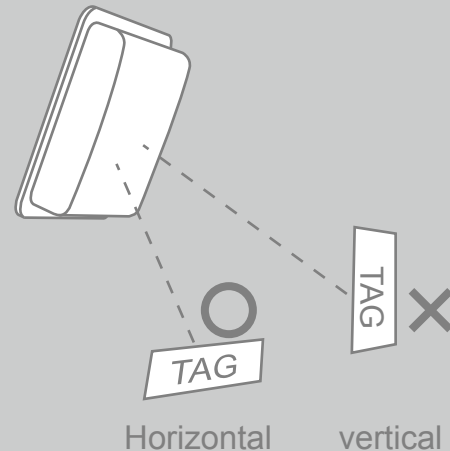


How to get the best read range?

Check orientation

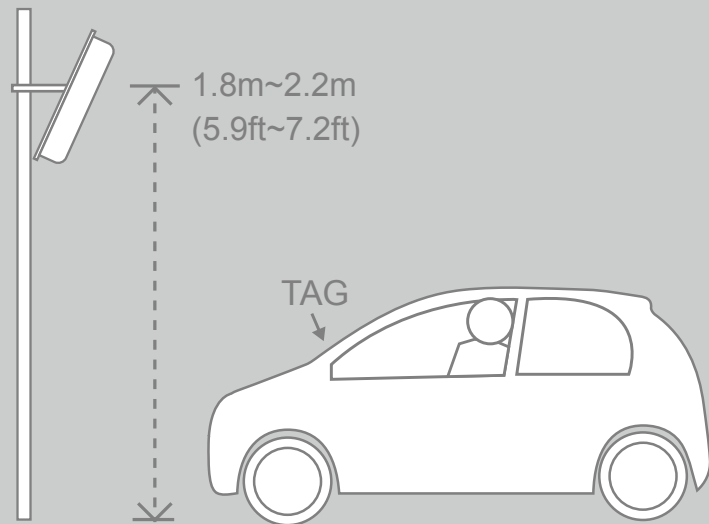
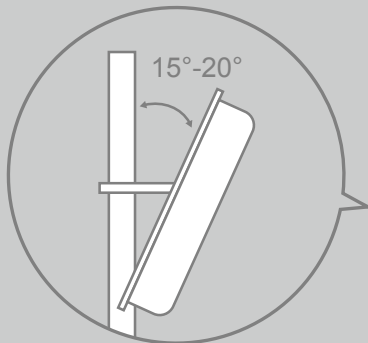


- Fully facing antenna, horizontally in parallel.



- Corresponded placement between RFID reader and tag is pictured as above.

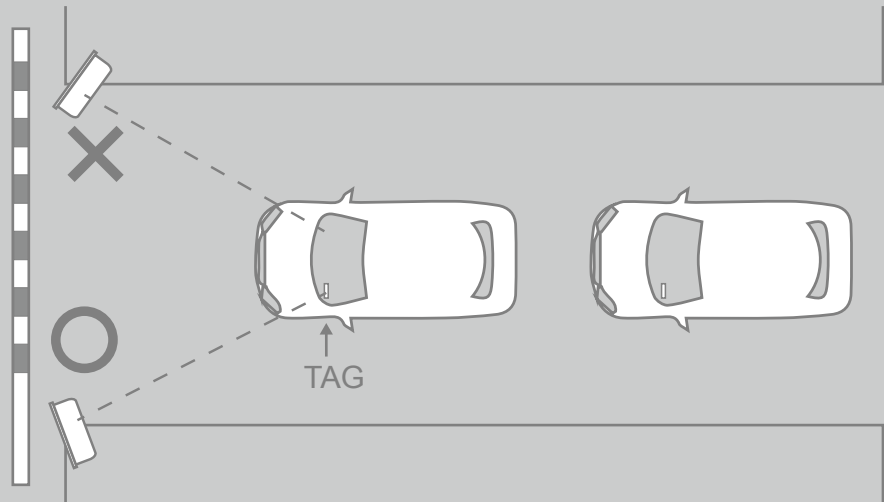
Check angle



- Recommended height to set RFID reader is 1.8m~2.2m (5.9ft~7.2ft), and no lower than location of RFID tag.

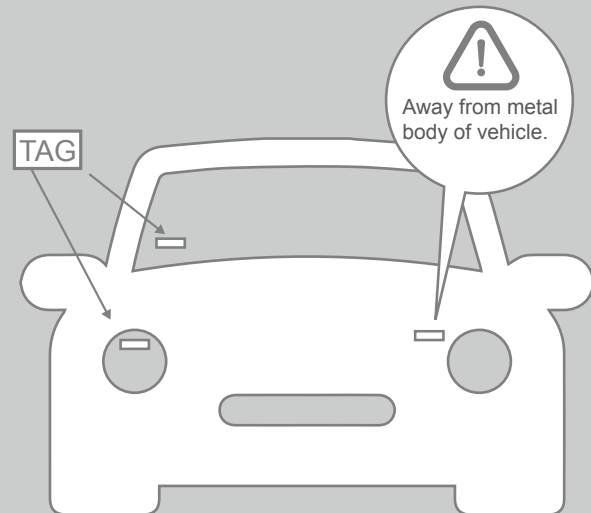
Check read range

- The RFID reader must set at same side of tag or nearest reading range to tag.



Check sticker placement – for car

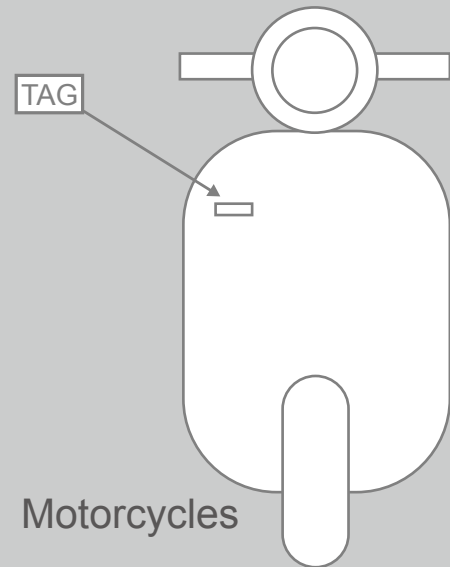
- Place the tag on the front windshield or headlight.
- Away from the metal body of the vehicle.
- Install tag on headlight if windshield glass contains metallic line, which may affect reading range.
- Install tag on headlight if windshield insulation films contain metal ingredients, which may affect reading range.



Vehicles

Check sticker placement – for motorcycle

- Install the tag on the front shield and at the closest range to the RFID reader.
- Install the tag on the plastic body if front shield is not available.



Specifications



GV-RU9003

Operating Frequency	902-928 MHz (US) 865-868 MHz (EU)
Dimensions	228 x 228 x 52.3 mm [8.98 x 8.98 x 2.05 in]
Read Range	10 meters [32.8 ft]
Power	12V
Current Consumption	<1A
Environmental	IP56
Encrypted Air Interface	EPC Gen2 (ISO 18000-6C)
Operating Temperature	-20°C~55°C [-4°F~130°F]
Relative Humidity	5%~90%
Certifications	FCC/CE/NCC
Communication	Wiegand (64-bit)
Antenna Gain	8 dbi
Antenna Connection	50 ohm U.FL
Receiving Sensitivity	-85 dBm



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