

**UHF Reader (Ultra High Frequency) / Car Park Reader**

**Long Range Access Control Reader**



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**UHF Reader Specification:**

Antenna Ports	Built in Antenna, Gain : 12dbi
RF Power Output	0 ~ 30dBm
Protocol	ISO 18000 6B, ISO 18000 6C
Power Supply	220V / 50Hz
Operating Temperature	-20C to 85C
Dimension	18 x 14.5 x 4 CM
Tag Read Rate	Software programmable, Average reading per 64Bits : < 10ms
Weight	2.5 kg
Interface	RS 232C serial interface / RS 485, Wiegand 26/34 (Optional RJ45)

**UHF Card Specification:**

RF Characteristics	UHF band Passive; RF Backscatter
Read Distance	600 ~ 1000cm (Depend on operating environment)
Memory	64 bits Read only (38 bits Unique ID, 16bits CRC)
Multiple Read Capability	50 tags per second ( ID Read)
Multiple-Read	Yes, Binary-tree
	Flexible substrate
Physical Characteristics	Length : 85 mm
	Width : 53 mm
	Thickness : 1 mm
Operating Temperature	Typically -20C to 65C

**Features and Benefits:**

- Less Maintenance : UHF card is a passive card (battery less)
- Ultra high frequency reader can read more than 6 meter up to 10 meter depends on the interference on the environment.
- Fast transaction time, detects a vehicle as fast as in 3 milliseconds.
- Non-stop drive through convenience, save time by reduced queuing.
- Reduce wear and tear on the vehicles tyres, brakes and power window.
- Non-hazardous and eco friendly
- Less Maintenance : UHF card is a passive card (battery less)
- No communication interference between lanes. It does not cause interference with the isting communication frequency; a specific UHF bandwidth is allocated by MCMC for this application.
- Fast transaction time, detects a vehicle as fast as in 3 milliseconds.
- Non-stop drive through convenience, save time by reduced queuing.
- Reduce wear and tear on the vehicles tyres, brakes and power window.
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