2.45GHz Long Range Reader
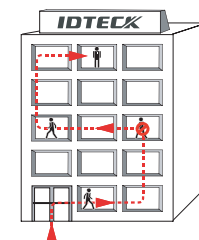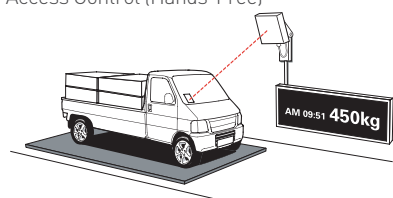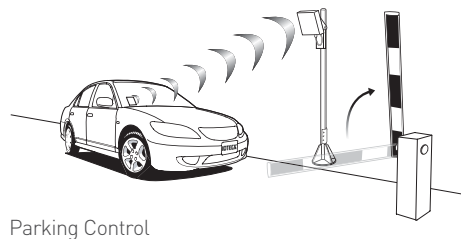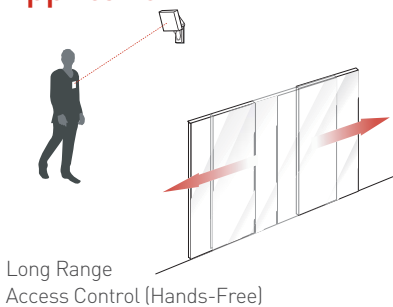
System Features

- Guarantees Stable Reading Range of 10M
- Various Applications: Long Range Parking Control, Asset Tracking, Personnel Tracking, Logistics/Fleet Management and etc.
- Multiple Card Identification (30 Tags / Sec)
- 90° One-Directional Antenna Suitable for Vehicle Management (360° Omni-Directional Antenna Optional)
- Encrypted tag ID and Secure Protocols Between Readers and Tags
- Automatic Site Code Setting via 256 Communication Channels
- Configurable Site Code
- Prohibits Multiple Card Identification Error (HOLD Control Input)
- Prevention of Repeated Card Identification Error (OTR Mode Input)
- Direct Bargate Output (Open Collector Output : 1s)
- Available for Outdoor Installation (Epoxy Molding / Outdoor Capacity: IP66)

Model	RF245-2	RF245-3	RF245-5	RF245-10
CPU	Dual 8bit Microprocessor and ISM Band Receiver			
Reading Range	2m	3m	5m	10m
Multiple Reading	30 Tags / Sec.			
Frequency	2.45GHz, ISM Band			
Site Code	256 Site Codes			
Modulation	Encrypted GFSK			
Directivity	90° One-Directional Antenna			
	360° Omni-Directional Antenna(Optional/Suitable for Access Control and Personnel Tracking)			
Receiver Gain	Over -80dBm			
Power / Current	DC12V / Max.50mA			
Output Type	26 Bit Wiegand, RS232, Bargate Output			
RS232 Type	9,600bps (Parity None, 8 Data Bits, 1 Stop Bit)			
Bargate Output	Max.100mA (Open Collector Output : 1s)			
OTR (One Time Reading) Input	Low Active Input, DC12V, Max, 50mA Current Drain			
HOLD Input	Low Active Input, DC12V, Max. 50mA Current Drain, Vehicle Detector Input			
LED Indicator / Buzzer	1 LED Indicator / Piezo Buzzer			
Operating Temperature	-35° ~ +65°C			
Operating Humidity	10% ~90% Relative Humidity Non-Condensing			
Color / Material	Ivory / Polycarbonate, Anodized Aluminum			
Dimension (W x H x T)	200 x 200 x 45mm			
Weight	1.36kg (Excluding Mounting Bracket)			
Certification	FCC, CE, KCC, RoHS			

Application

Long Range Access Control (Hands-Free)

Parking Control

Logistics/Fleet Management

Asset Tracking

Personnel Tracking