

Long Range Proximity Reader / Active Card

RF245 IDA245 Active Card Programmer PRG3000



RF245



IDA245

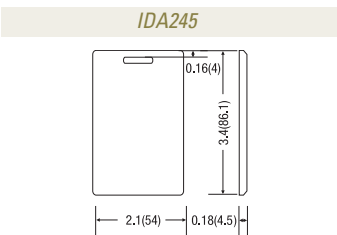
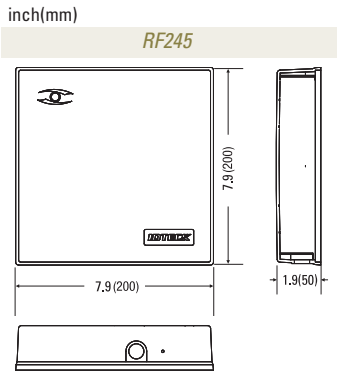


PRG3000



RF Card

IDTECK



KEY Features

RF245

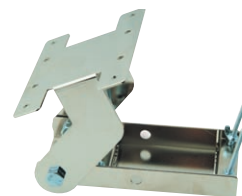
- Long Range Reade RF245-3M: 3m(10feet), RF245-5M: 5m(17feet), RF245-10M: 10m(34feet)
- 2.4GHz ISM Band
- Encrypted tag ID and Secure Protocols between Reader and Tags
- Multiple Tags Identification (30 Tags / Sec)
- 90°, One-directional Antenna
- 26bit Wiegand and RS232 Output Format
- Direct Bargate Output (Open Collector: 1sec)
- OTR (One Time Reading) and HOLD Control Input
- Applications: Parking Control, Logistics Tracking, Asset Control, Personal Tracking

IDA245

- Read Range 3m(10feet) with RF245-3M: 5m(17feet) with RF245-5M: 10m(34feet) with RF245-10M
- User programmable Site code, ID Number (using PRG3000 Active Card Programmer)
- Battery Life Time 3 Years (@1sec. Wake-up Time) / Battery Replaceable (CR2025)

PRG3000 Active Card Programmer

- IDA245 Active Card Programmer
- Slide-in Operation, Automatic Increase and Decrease
- Direct Connection to PC via RS232 (Application Software included)
- Encryption Algorithm applied
- Programmable Site Code, ID Number



Mounting Bracket



IDA245 Card Holder

Specifications

Model	RF245-3M / RF245-5M / RF245-10M	
CPU	8bit Microprocessor and ISM Band Receiver	
Read Range	RF245-3M: 3m(10feet), RF245-5M: 5m(17feet), RF245-10M: 10m(34feet),	
Reading Time	250ns	
Frequency	2.402GHz, ISM Band	
Modulation	Encrypted GFSK	
Directivity	90°, One-directional	
Receiver Gain	Better than -80dBm	
Power / Current	DC12V / Max.50mA	
Output Format	26bit Wiegand and RS232 / Bargate Output	
RS232 Format	9600bps, parity none, 8 Data bits, 1 Stop bit	
Bargate Output	Low Active Pulse (1sec.), Open Collector Output, Max. 100mA	
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	Built-in Red Color LED	
Beeper	Built-in Piezo Buzzer	
Operating Temperature	-35 to +65° C (-31 to +149° F)	
Operating Humidity	10% to 90% relative humidity non-condensing	
Color / Material	Ivory / Polycarbonate / Anodized Aluminum	
Dimension (W x H x T) / Weight	7.9" x 7.9" x 1.9" (200mm x 200mm x 50mm) / 1.36kg (3.0 lbs)	
Model	IDA245	
CPU	Low Power 8bit Microprocessor	
Read Range	3m(10feet) / 5m(17feet) / 10m(34feet) with RF245-3M / RF245-5M / RF245-10M	
Carrier Frequency	2.402GHz	
Directivity	Omni – directional	
Antenna	Monopole Antenna	
Transmit Power	-10dBm	
Modulation	Encrypted GFSK	
Wake-up Time	Approx. 07sec	
Site Code	256 Site Code (000~255)	
Tag ID numbers	Maximum 16 Millions ID Numbers per Site Code	
Encryption	16bit IDTECK's Secured Algorithm	
Power	Coin Cell Lithium Battery, 3V 150mAh, CR2025	
Battery Life Time	3 Years (@ 1sec Wake-up Time), Battery Replaceable (CR2025)	
Operating Temperature / Operating Humidity	-20° to +65° C (-4° to +149° F) / 10% to 90% relative humidity non-condensing	
Dimension (W x H x T) / Weight	2.1" x 3.4" x 0.18" (54mm x 86mm x 4.5mm) / 20gram (0.04lbs)	
Warranty	1 Year	
Model	PRG3000	
CPU	Dual 8bit Microprocessor and ISM Band Receiver	
Memory	Program Memory	2KByte ROM
	Data Memory	128Byte EEPROM
Reader	Built-in Long Range Reader	
Overwrite Time (Card)	Less than 3sec.	
Power / Current	Adapter (AC110V / 220V, Output DC12V, 500mA)	
Input Port	1ea for RS232 Communication (DB9 Jack)	
LED Indicator / Beeper	5 Array LED Indicators (Red, Green and Yellow) / Piezo Buzzer	
Data Encryption	Crypto Encryption Algorithm	
Software	PRG3000 Application Software included	
Operating Temperature	0° to +50° C (+32° to +122° F)	
Operating Humidity	10% to 90% relative humidity non-condensing	
Color / Material	Light Gray / HD-ABS	
Dimension (W x H x T) / Weight	6.18" x 7.80" x 4.72" (157mm x 198mm x 120mm) / 1090g (2.4lbs)	

