

Long Range Proximity Reader / Active Card

RF245 IDA245 Active Card Programmer PRG3000



RF245



IDA245

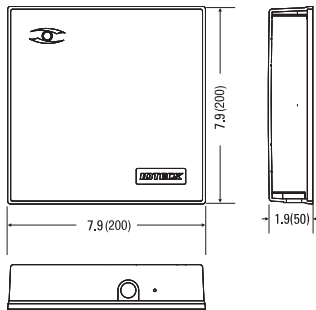


PRG3000

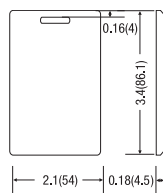


inch(mm)

RF245



IDA245



KEY Features

RF245

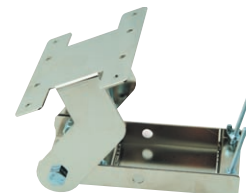
- Long Range Reade RF245-3M: 3m(10feet), RF245-5M: 5m(17feet), RF245-10M: 10m(34feet)
- 2.4GHz ISM Band
- Encrypted tag ID and Secure Protocols between Reader and Tags
- Multiple Tags Identification (30 Tags / Sec)
- 90°, One-directional Antenna
- 26bit Wiegand and RS232 Output Format
- Direct Bargate 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

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Long Range Proximity Reader Active Card & Tag

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)



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