

Long Range Proximity Active Card

IDA245

Active Card Programmer

PRG3000



IDA245

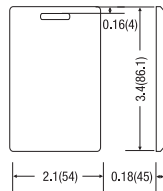
PRG3000



Star

inch(mm)

IDA245



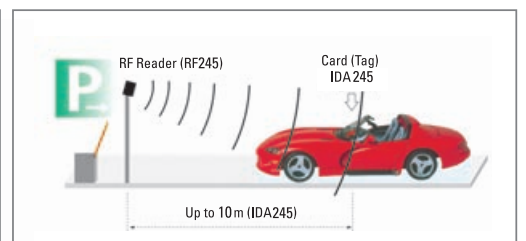
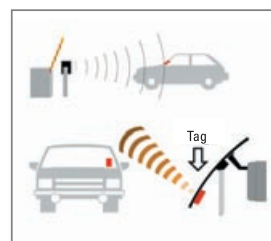
KEY Features

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)
- Life Time Active Tags with Replaceable Battery CR2025
- **IDA245H2 : Tag for a car with windshield metal coated for ESD protection**

PRG3000 Active Card Programmer

- IDA150/IDA200/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





IDA245 Card Holder

Specifications

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		IDA245 : -20dBm / IDA245H2 : -10dBm
Modulation		Encrypted GFSK
Wake-up Time		Approx. 0.7sec
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)
Model		PRG3000
CPU		Dual 8bit Microprocessor and ISM Band Receiver
Memory	Program Memory	2KByte ROM
	Data Memory	128Byte EEPROM
Reader		Built-in ISM Band 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)