

Long Range Proximity Reader Active Card & Tag

RF245

IDA245

Active Tag Programmer

PRG2450



RF245



IDA245

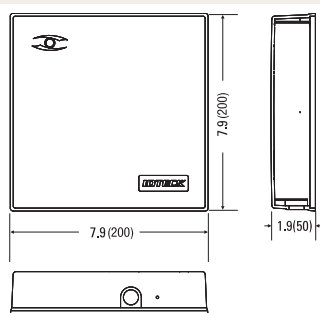


PRG2450

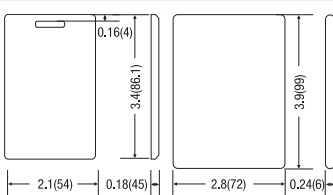


inch(mm)

RF245



IDA245



KEY Features

RF245

- Long Range Reader (3 ~ 10m available)
- 2.45GHz Frequency
- Encrypted tag ID and Secure Protocols between Reader and Tags
- Multiple Tags Identification (20 Tags / Sec)
- 90°, One-directional Antenna
- 26bit Wiegand and RS232 Output Format
- 125ch. Automatic setup card
- Read tags only Site Code, ID Number, TX Power, TX Channel, Wake-up Time
- Direct Bargate Control by Beeper Output (Open Collector: 250ms)

IDA245

- Read Range 3~10m programmable
- User programmable Site code, ID Number, TX Power, TX Channel, Wake-up Time (using PRG2450 Active Tag Programmer)
- Battery Life Time 5 Years

PRG2450 Active Tag Programmer (Active Card Writer)

- IDA245 Active Tag Programmer controlled by Software
- Slide-in Operation, Automatic Increase and Decrease
- Direct Connection to PC via RS232 (Application Software included)
- Encryption Algorithm applied
- Programmable Site Code, ID Number, TX Power, TX Channel, Wake-up Time



Bracket



IDA245 Holder

Specifications

Model		RF245
CPU		Dual 8bit Microprocessor and ISM Band Receiver
Read Range		3 ~ 10m (9.8~32.8feet) with IDA245 Active Tag
Reading Time		250ns
Frequency		2.45GHz
Modulation		Encrypted GRSK
Directivity		90°, One-directional
Receiver Gain		Better than -90dbm
Power / Current		DC12V / Max.50mA
Output Format		26bit Wiegand and RS232 (9,600bps, parity none, 8 data bits, stop bit) Low Active Pulse (Open Collector Output: 250ms)
Output Format		26bit Wiegand (default), RS232 (Optional, 9600bps, parity none, 8 Data bits, 1 Stop bit)
Input Port		2ea (Reader Address Setup)
Output Port		1ea (Bargate Output: Low Active Pulse (Open Collector Output: 250ms))
Receiving Channels		125ch
Channel Selection		Automatic by setting card
Beeper		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
Dimension (W x H x T) / Weight		7.9" x 7.9" x 1.9" (200mm x 200mm x 50mm) / 1.5kg (3.31 lbs) excluding Mounting Bracket
Model		IDA245
CPU		Low Power 8bit Microprocessor
Read Range		3~10m (9.8~32.8feet)
Carrier Frequency		2.4GHz ~2.5GHz
Directivity		Omni – directional
Antenna		Monopole Antenna
Transmit Power		0dB, -5dB, -10dB, -20dB
Modulation		Encrypted GFSK
Wake-up Time		0.25s, 0.5s, 1s, 2s
Channel		Programmable up to 125ch
Tag ID numbers		Maximum 16 Millions ID Numbers per Site Code
Encryption		16bit IDTECK's Secured Algorithm
Power		3V Lithium Battery
Battery Life Time		5 Years (@ 1s Wake-up Time)
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) / 22g (0.05lbs)
Warranty		1 Year
Model		PRG2450
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		PRG2450 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)

