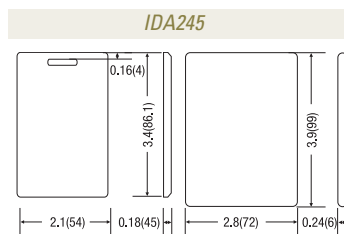
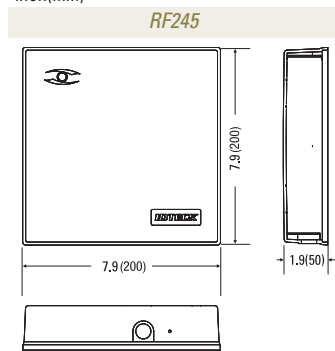


Long Range Proximity Reader Active Card & Tag

RF245 IDA245 Active Tag Programmer PRG2450



inch(mm)



KEY Features

RF245

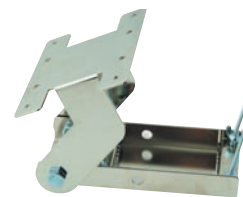
- Long Range Reader (3 ~ 10m available)
- 2.45GHz Frequency
- Encrypted tag ID and Secure Protocols between Reader and Tags
- Multiple Tags Identification (20 Tags / Sec)
- 90°, One-directional Antenna
- 26bit Wiegand and RS232 Output Format
- 125ch. Automatic setup card
- Read tags only Site Code, ID 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)

