

## 2.45GHz Long Range Active Card / Active Card Programmer



### System Features

#### \* IDA245

- 2.45GHz Long Range Active Card
- Compatible with RF245 Long Range Reader for 2M, 3M, 5M and 10M Reading Range
- User Programmable Site Code and ID Number using the PRG245 Active Card Programmer
- Attachable on Vehicle Windshield
- Life-Time Active Tags with Replaceable Battery CR2025
- IDA245H2: For Luxury Vehicles with Metal Coated Windshield (BMW 7 Series, Benz, Lexus and etc.)



Model		IDA245
Reading Range		RF245-2(2m) / RF245-3(3m) / RF245-5(5m) / RF245-10(10m)
Frequency		2.45GHz
Directivity		Omni-Directional
Antenna		Monopole Antenna
Transmit Power		IDA245: -20dBm / IDA245H2 : -10dBm
Modulation		Encrypted GFSK
Wake-Up Time		Approx. 0.7 Sec.
Site Code		256 Site Codes (000-255)
Tag ID Number		Max. 16 Million ID Numbers per Site Code
Encryption		16 Bit IDTECK Secure Algorithm
Battery / Power		Coin Cell Lithium Battery/ 3V 50mAh, CR2025
Battery Lifetime		Life-Time Use if Battery (CR2025) is Replaced
Operating Temperature		-20° ~ +65°C
Operating Humidity		10% -90% Relative Humidity Non-Condensing
Dimension (W x H x T)		54 x 86 x 4.5mm
Color	Card Holder/Card	Transparent / White (Front) / Beige (Back)
Weight	Card Holder/Card	11.5g / 20g
Material	Card Holder/Card	Polycarbonate / ABS
Certification		FCC, CE, KCC, RoHS

#### \* PRG245

- 2.45GHz Long Range Active Card Programmer (IDA245/IDA245H2): Using the Programmer, Encode IDA245 Card into IDA245H2 Card or IDA245H2 Card into IDA245.
- Programmable Site Code and ID Number
- Encrypted Algorithm Applied
- Direct Connection to the PC via USB Port



Model		PRG245
CPU		8 Bit Microprocessor, 2.45GHz ISM Band Receiver
Memory	Program	1K Word Flash
	Data	128 Byte EEPROM
Reader		2.45GHz Reader Embedded
Overwrite Time (Card)		Less than 1 Sec.
Power / Current		USB Bus Power : 5V
Input Port		1 EA : USB Communication
LED Indicator / Buzzer		4 EA:Power, Card-Present, Run. OK / Piezo Buzzer
Data Algorithm		Crypto Encryption Algorithm
Software		PRG245 Application Software Included
Operating Temperature		0° ~ +50°C
Operating Humidity		10% -90% Relative Humidity Non-Condensing
Color / Material		Black, Ivory / ABS
Dimension (W x H x T) / Weight		76 x 70 x 15mm / 30g
Certification		FCC, CE, KCC, RoHS