

smartPROX



- 125KHz EM reader reads only EM proximity cards
- Ability to read 26 bit card numbers
- Audio visual indication of valid or invalid read

smartRID



- 13.56 MHz based interface that meets ISO 14443A (MIFARE®) standards
- The ability to read 32 bit MIFARE serial numbers
- Enhanced security through encryption and mutual authentication

smartSECURED



- 13.56 MHz based interface that meets ISO 14443A (MIFARE®) standards
- Only secured card works on smartSECURED reader
- 64-bit authentication keys encryption

Major Features:

- A Wiegand output that easily interfaces with most existing Wiegand protocol access control panels
- Compact and Elegant. Easily installed on walls and doors
- A factory configurable bi-color LED bar and Audio visual indication of valid or invalid read
- Advanced key management system to reduce the risk of compromised data or duplicated cards

TECHNICAL SPECIFICATIONS

Specifications	smartPROX	smartRID	smartSECURED
Model No	SPR501	Sc504	
Read Range	Upto 8 cms	4-9 cms	4-9 cms
Data Read	CSN	CSN/Sector	CSN/Sector
Type	EM Cards	Smart Card (Mifare Classic)	Smart Card (Mifare Classic)
Transmit Frequency	125 KHZ	13.56 MHz	13.56 MHz
Card <small>(Transponder)</small>	EM Proximity Cards	Mifare® Series (ISO14443-A)	Mifare® Series (ISO14443-A)
Card Read Time	0.1 sec	0.1 sec	0.1 sec
Output Interface	Wiegand Format(26 bits)	Wiegand Format(32 bits)	Wiegand Format(32 bits)
LED Indicator	Bi color LED	Bi color LED	Bi color LED
Power supply	12 V DC @ 100mA	12 V DC @ 100mA	12 V DC @ 100mA
Dimensions	80W X 83 H X 21 D	80W X 83 H X 21 D	80W X 83 H X 21 D
Material	ABS Plastic	ABS Plastic	ABS Plastic
Color	Black	Black	Black
Cable Specs <small>(Recommended)</small>	5 core, 7/36 shielded cable	5 core, 7/36 shielded cable	5 core, 7/36 shielded cable
Cable Distance from Controller:	80m (Wiegand)	80m (Wiegand)	80m (Wiegand)

CARDS



SMART SECURED CARDS :

- Operating Frequency: 13.56MHZ
- Data Transfer: 106 Kbit/s
- Data retention: 10 years
- High Data integrity: 16 Bit CRC
- Only works with smartSECURED readers
- Eliminates card cloning/duplication



EM PROXIMITY CARDS :

- RFID proximity access card
- Operating frequency: 125KHZ



SMART CARDS :

- SC-M1 : 1K Mifare smartCARD
- SC-M4 : 4K Mifare smartcard
- Operating frequency: 13.56MHZ

NOTE: Cards printing & personalization services available.