



Building Technologies

Access Control Card reader portfolio

AR633x-CP Proximity Reader

Features:

- 125 kHz Proximity reader
- Attractive award winning Mullion design
- Tight integration with SiPass
- Reads serial number of contact less CerPass cards
- Reader protocol:
 - RS485 CerPass - supervised
- Keypad version in same design
- 3 LED's for status indication
- Competitive pricing

Key Products:



Products:

- **AR6331-CP**
- **AR6332-CP** with keypad

AR618x-RX Proximity Reader

Features:

- 125 kHz Proximity reader
- Attractive award winning Square design
- Tight integration with SiPass
- Reads serial number of following contact less cards
 - Miro
 - CerPass
 - Hitag 1 (Unique ID and personalized ID)
 - Hitag 2 (Unique ID and personalized ID)
- Reader protocol:
 - RS485 CerPass - supervised
 - RS485 UCI - supervised
 - Clock and Data
- Keypad version in same design
- Multi-colour LED for status indication
- Competitive pricing

Key Products:



Products:

- **AR6181-RX**
- **AR6182-RX** with keypad

AR638x-MS Smart Card MIFARE Reader

Features:

- 13,56 MHz Smart card reader
- Attractive award winning Mullion design
- Tight integration with SiPass
- Support of following standards:
 - ISO14443-A
- Reads
 - serial number of Mifare cards
 - personalized ID out of sector/block
- Reader protocol:
 - RS485 CerPass - supervised
 - RS485 UCI - supervised
 - Clock and Data
- Keypad version in same design
- 3 LED's for status indication
- Competitive pricing

Key Products:



Products:

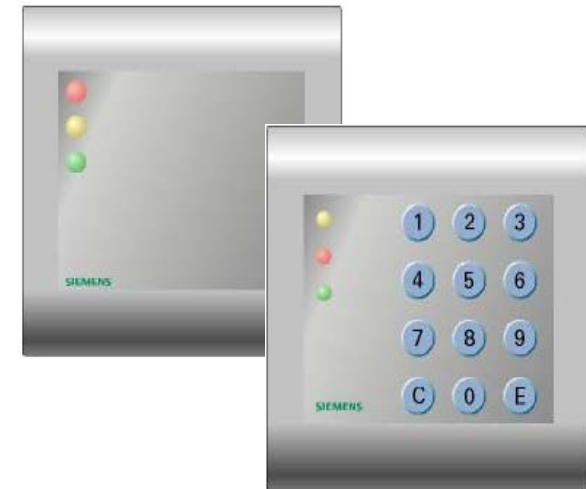
- **AR6381-MS**
- **AR6382-MS** with keypad

AR618x-MS Smart Card MIFARE Reader

Features:

- 13,56 MHz Smart card reader
- Attractive award winning Square design
- Tight integration with SiPass
- Support of following standards:
 - ISO14443-A
- Reads
 - serial number of Mifare cards
 - personalized ID out of sector/block
- Reader protocol:
 - RS485 CerPass - supervised
 - RS485 UCI - supervised
 - Clock and Data
- Keypad version in same design
- 3 LED's for status indication
- Competitive pricing

Key Products:



Products:

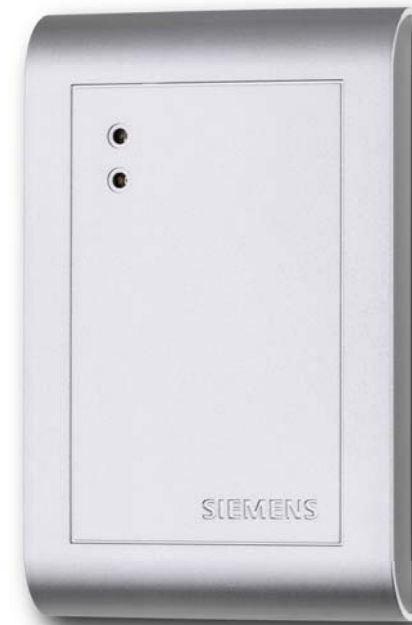
- **AR6181-MS**
- **AR6182-MS** with keypad

AR6111-MX Smart Card Multi Technology CSN-Reader

Features:

- 13,56 MHz Smart card CSN reader
- International style and size
- Cost-effective feature set
- Support of following standards:
 - ISO14443-A
 - ISO 14443-B
 - ISO 15693
- Reads serial number for wide range of industry standard 13.56MHz cards e.g.
 - Mifare 1K, 4K, Ultra Light, DESFire
 - my-D, my-C, I-Code, Tag IT, LRI
- Reader protocol:
 - Wiegand
 - Clock and Data
- 2 LED's for status indication
- Potted for customer assurance
- Flexible configuration by configuration card
- Competitive pricing

Key Product:



Product:

- **AR6111-MX** Serial Number Reader

AR618x-MX Smart Card Multi Technology Reader

Features:

- 13,56 MHz Smart card reader
- Attractive award winning Square design
- High level security features
- Support of following standards:
 - ISO14443-A, ISO 14443-B, ISO 15693
- Reads serial number for wide range of industry standard 13.56MHz cards e.g.
 - Mifare 1K, 4K, Ultra Light, DESFire
 - my-D, my-C, I-Code, Tag IT, LRI
- Reads personalised ID out of Mifare sector/Block
- Reader protocol:
 - RS485 CerPass and UCI - supervised
 - Wiegand, Clock and Data
- Multi-colour LED for status indication
- Potted for customer assurance
- Flexible configuration by configuration card
- Competitive pricing

Key Products:



Products:

- **AR6181-MX**
- **AR6182-MX** with keypad

AR6201-MX Smart Card Programmer

Features:

- Enrolment / Personalisation reader in standard reader design
- Support of multiple card technologies
- Compatible with ConfigCard Creation Tool, SIPORT SR3 SP1 and SiPass MP2.3
- Support for wide range of industry standard 13.56MHz cards
 - ISO14443-A, ISO14443-B, ISO15693
- RS232-Interface
- Kit including power supply

Key Product:



Product:

- AR6201-MX

Siemens Smart Card Multi Technology Family

Features:

- A family of 13.56MHz card readers suitable for every application
- Attractive price and feature set
- Tight integration with SiPass
- High level security features
- Attractive award winning design
- Supervised communication
- Support for wide range of industry standard 13.56MHz cards:
 - ISO14443-A, ISO14443-B, ISO15693
- Flexible configuration tool to create configuration cards for an easy and fast reader configuration
- Different versions for flexibility and price competitiveness

Key Products:



AR6181-MX



AR6182-MX



AR6201-MX



AR6111-MX

Products:

- AR6201-MX Writer/Reader
- AR618x-MX Sector/Block Reader
- AR6111-MX Serial Number Reader

Reader - ARS6311-RX Reader

- Cost-effective 125kHz card reader which operates as a standalone reader or a standard access reader.
- Multiple cards supported
 - (EM4100/EM4102 compatible)
 - CerPass / SiPass
 - Miro
- Reader Protocol
 - Wiegand
 - Clock & Data



Reader - Additional 125kHz Family

- Family of 125kHz readers suitable for many
- different applications
- Attractive design
- Vandal resistant & alternate application
- housings available
- Can be connected to all SiPass systems
- Support of EM4102
- Support of multiple interface protocols
 - Clock & Data
 - Wiegand
 - BCLINK



SP500-EM



HD500-EM



PR500-EM



PM500-EM

An Introduction into Cotag Technology

- A proprietary card & reader interface
- Proximity & hands free reading distances
- Active & passive card support
- Ability to use external antena
- Based on 132KHz and 66KHz frequencies
- Used for specific applications



Active Vs Passive Cards

- Active and Passive equated with Hands Free and Proximity respectively
- Proximity involves a physical action by the user, typical range 5 to 20cm
- Hands Free requires no action from the user, true 70 to 100+cm
- Cotag Technology readers work with both Active & Passive Cards
- All cards are programmable and have encrypted data transfer



Reader - Cotag Technology Readers

- Follows the same design as xx500 series readers
- Specially tuned HF500 Reader to allow up to 1m reading distances
- Can be connected to all SiPass systems
- Supported Protocols
 - Wiegand
 - Clock & Data
 - BCLINK
- Ability to use external antena



Reader - BC43 System Reader

- Card + Pin reader for use on SiPass Entro and SiPass Entro Lite
- Comes in three variants
 - 125kHz (EM4102)
 - Cotag
 - Magstripe
- BCLINK Communication protocol for supervised communication
- Vandal resistant housing & backlit keypad
- Can be used for indoors and outdoors
- Accessories for very exposed locations



BC43-Mag.stripe



BC43-EM



BC43-Cotag



Reader - Product Matrix

	SiPass Entro Lite	SiPass Entro	SiPass Networked	SiPass Integrated
SP500-EM / Cotag	OK	OK	OK	OK
HD500-EM / Cotag	OK	OK	OK	OK
PR500-EM / Cotag	OK	OK	OK	OK
PM500-EM / Cotag	OK	OK	OK	OK
HF500-Cotag	OK	OK	OK	OK
BC43-EM / Cotag	OK	OK	X	X
AR618X-MX	TESTING	TESTING	OK	OK
AR6111-MX	TESTING	TESTING	OK	OK
ARS6311-RX	OK	OK	OK	OK
AR633X-CP	TESTING	TESTING	OK	OK
AR618X-RX	TESTING	TESTING	OK	OK
AR618X-MS	TESTING	TESTING	OK	OK
AR638X-MS	TESTING	TESTING	OK	OK