

CEM Validation Readers

OVERVIEW

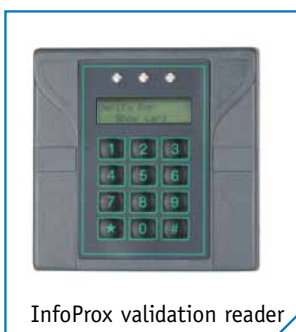
CEM Validation readers are used to capture card numbers so that personnel can be associated with an ID card on the CEM AC2000 system. Part of the AC2000 personnel enrolment and card validation process, CEM validation readers quickly validate a personnel record with an ID card. Taking away the manual process of loading card numbers, CEM validation readers enable cards to be added to the AC2000 system in seconds. Validation readers are also used to validate cards on the AC2000 Vehicles and Visitors application. CEM has a range of validation readers that support all major card technologies, including HID 125 kHz Proximity, Mifare (CSN) and HID iClass card technologies.

How does the validation process work?

Using the AC2000 Personnel / VIPPS (Visual Imaging & Pass Production System) application, a cardholder's details, photograph and signature are entered into the AC2000 database. A feature of the AC2000 access control system is that each card MUST be validated before it can be issued. To assign an ID card to the personnel record, security administrators select the 'Validate' card option on the AC2000 software and swipe the card at the validation reader. The AC2000 workstation then reads the card number, which is subsequently stored on the AC2000 server.

Additionally a CEM validation reader can be used in conjunction with the AC2000 workstation software. This requires a valid card swipe in addition to a login username and password, giving an extra layer of security.

The three main validation readers are as follows:-



FEATURES

- CEM has an advanced validation reader range. Cards can be added to the AC2000 system in seconds
- Support for all major card technologies
- The S610s and S610f validation readers are available for use with 125 kHz Proximity, iClass or Mifare smart cards
- Backlit Monochrome Graphics LCD display allows meaningful messages to be displayed – informing the user of card transaction outcomes
- Keypad configuration allows device configuration and set up at the reader itself.
- InfoProx validation readers are mounted on their own desk top base station, with power supply.
- Allows a wide range of card formats to be used on the CEM AC2000 system



InfoProx validation reader

InfoProx Validation Reader

The InfoProx validation reader is a serially connected reader and allows system operators to match an ID card to a cardholder's AC2000 personnel details. The InfoProx validation reader is available in HID 125 kHz Proximity technology or 13.56 MHz Mifare (CSN) smart card technology. Connection to the AC2000 enrolment workstation PC is via RS232 serial cable.

Infoprox validation readers are supported on all AC2000 access control system ranges.



S610s validation reader

S610s Validation Reader

The S610s validation reader is designed to add cards to the AC2000 system range and allows system operators to match a card to a cardholder's personnel details.

The S610s Validation reader supports 125 HID kHz Proximity, MiFare (CSN) and HID iClass cards, but is available with other options if an external third party reader is fitted. This is implemented using the S610s validation reader without a read head, but instead connected to the third party read head required.

The S610s validation reader connects to the AC2000 enrolment workstation via RS232 serial cable.

The S610s validation reader is supported on all the AC2000 access control systems.



S610f validation reader

S610f Validation Reader

The S610f fingerprint validation reader is used to enrol cardholders and capture their fingerprint templates onto the AC2000 system. The S610f validation reader enables both the validation of the card and the verification of a cardholders biometric fingerprint template. The S610f connects to the AC2000 workstation via LAN using Ethernet TCP/IP.

It is possible to associate a fingerprint template with an existing cardholder record or to validate a new 'Card & Biometric' card type with fingerprint data at the same time.

The S610f Validation Reader is supported on the AC2000 SE system version 5.7 upwards and AC2000 Lite version 6.0.

VALIDATION READER SPECIFICATIONS

InfoProx Validation Reader

PHYSICAL

Size	86 x 86 x 22mm (3.4" x 3.4" x 0.87")
Weight	222.7g (7.9oz) with connectors
Housing	Flame retardant polycarbonate containing fully encapsulated electronics.
Colour	Dark Grey
Power	
- Voltage	9 – 15Vdc
- Current	Consumption 140mA (passive), 250mA (peak)

ENVIRONMENTAL

Temperature	-10° to 50°C (14° to 122°F)
Humidity	95% non condensing
LED Indicators	Three high intensity LED indicators red, amber and green

LCD Indicators	Two line by 16 character supertwist LCD with backlight
Keypad	12 character, standard layout, tactile response keypad.

COMMUNICATION INTERFACE

To Work Station	RS232 serial cable connects to PC Serial port.
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PRODUCT CODES

RDR/011/200	IPO 200 InfoProx 125 kHz Proximity Validation reader
RDR/011/210	IPO 210 MiFare (CSN) 13.56 MHz Validation reader

S610s Validation Reader

PHYSICAL

Size	142 x 115 x 44mm (5.6 x 4.5 x 1.7")
Weight	370g (13oz) with connectors
Housing	Flame retardant polycarbonate containing fully encapsulated electronics.
Colour	Dark and Light Grey
Power	
- Voltage	9 – 14Vdc
- Current	Consumption 200mA (passive), 320mA (peak)

ENVIRONMENTAL

IP Rating	IP65
Temperature	-20° to 50°C (-4° to 122°F)
Humidity	Unlimited, also condensing
LED Indicators	Three high intensity LED indicators red, amber and green

LCD Indicators	32 x 122 dots Monochrome Graphics supertwist LCD with backlight
Keypad	12 character, standard layout, tactile or non-tactile response keypad.

COMMUNICATION INTERFACE

To Work Station	RS232 serial connection
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PRODUCT CODES

RDR/280/108	S610s Validation Reader iClass
RDR/280/105	S610s Validation Reader MiFare CSN
RDR/280/109	S610s Validation Reader (no head for third party reader integration)

S610f Validation Reader

PHYSICAL

Size	190 x 120 x 44mm
Weight	590g (13oz) with connectors
Housing	Flame retardant polycarbonate containing fully encapsulated electronics.
Colour	Dark and Light Grey

POWER

- Voltage	9 – 14Vdc
- Current	Consumption 260mA (passive), 470mA (peak)

Environmental

IP Rating	IP30
Temperature	0° to 55°C (32°F to 131°F)
Humidity	Unlimited, also condensing

LED Indicators	Three high intensity LED indicators red, amber and green
LCD Indicators	32 x 122 dots Monochrome Graphics supertwist LCD with backlight
Keypad	12 character, standard layout, tactile or non-tactile response keypad.

COMMUNICATION INTERFACE

To Work Station	10/100 Base-T TCP/IP using CAT5 Unshielded twisted pair cable
Connection	RJ45

PRODUCT CODES

RDR/615/201	S610f Validation Reader 125 kHz Proximity
RDR/615/205	S610f Validation Reader MiFare CSN
RDR/615/208	S610f Validation Reader iClass

Product specifications and availability is subject to change without notice. Certain product names mentioned herein may be trade names and/or registered trademarks of their companies.