# ACL800SUW-BCMF-S

**ACL800 Biometric Capacitive with MIFARE reader - Fingerprint, Wiegand, Surface mount, 9500 Templates, Silver**

## Product description

The ACL800SUW-BCMF is a Wiegand biometric and Mifare reader for access control applications with programmable Wiegand output. It offers storage of up to 9500 fingerprints, it reads Mifare Classic 1K & 4K, Ultralight, Desfire cards/tags and has a programmable Wiegand Output (24 to 80 bits). Configuration of the readers and fingerprint enrollment is done through the ACL800 BioManager Software.

## The ACL800 range

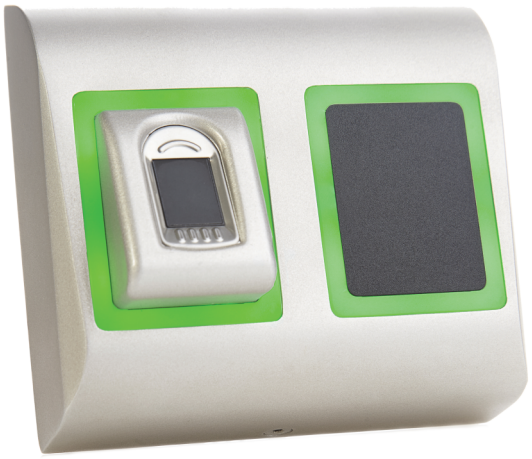
The current ACL800 range is over 10 years old and is due for a refresh. The ACL800 range that consisted out of access readers, keypad readers and request-to-exit sensitive pushbuttons, has been extended with Biometric readers. There are two models, being the swipe and the touch capacitive biometric sensors. They are available in any combination of biometric swipe / touch capacitive, swipe / touch capacitive + keypad, swipe / touch capacitive + proximity reader, swipe / touch capacitive + Mifare reader.

## Wiegand range

The Wiegand devices are ideal to be networked by using the TCP / IP to RS485 converter ACL800FL-CONV-W. Up to 31 Wiegand devices can be daisychained over RS485 and are managed by the ACL800 BioManager. When you need more devices, then simply add another converter. The access rights can be uploaded from the ACL800 BioManager to all the Wiegand devices connected to the converter. You have the option to either store the fingerprint templates in the reader or on the credential for privacy reasons.

## ACL800 BioManager

Fingerprint and reader management software for biometric readers when used with third party access control systems. Fingerprint enrollment is done from any networked biometric reader or from a USB desktop enrollment unit. The fingerprints could be sent to one or all biometric readers in the network. ACL800 BioManager is a free application and also manages the access levels.
Compatible with : Windows 7, Windows 8 and Windows 10.



## Details

- Indoor/outdoor
- Dust proof and water-resistant (IP65)
- Attractive and timeless design
- Includes a buzzer
- Tri-color LED's
- Surface mount
- Backlight illumination
- Two-factor authentication
- Biometric fingerprint reader with Mifare card

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## ACL800 Biometric Capacitive with MIFARE reader - Fingerprint, Wiegand, Surface mount, 9500 Templates, Silver

## Technical specifications

### System

| | |
|---|---|
| Reading distance | 1.5 to 5.5cm |
| Max. reader distance to panel | 50 m |
| RTE (Request To Exit) | No |
| CSN (Card Serial Number) | Yes |
| Custom data model | No |
| No. of LEDs | 3 |
| No. of covers included | 1 |
| Language installation manual | English |

### Technology

| | |
|---|---|
| Reader type | Biometrisch, Smartcard |
| Reader operating-transmitting frequency | 13.56 MHz |
| Supported technology 13.56 MHz | MIFARE Classic (CSN), MIFARE DESFire (CSN), MIFARE DESFire EV1 (CSN), Mifare DESFire EV2 (CSN), MIFARE Plus (CSN), MIFARE UltraLight (CSN) |
| Mifare type | ISO14443A |
| No. of Mifare bytes CSN | 4 Byte (S50), 7 Byte (S70) |
| Read write | No |
| SAM module embedded | No |
| Mifare Classic | 4UID 1K & 4K (7UID converted to 4UID) |
| Mifare Ultralight | 4UID 1K & 4K (7UID converted to 4UID) |
| Mifare DESFire EV1/EV2 | 2K, 4K & 8K |

### Biometric

| | |
|---|---|
| Biometric type | Fingerabdruck |
| Biometric sensor type | Kapazitiv |
| Biometric template storage size | up to 9500 fingerprints |
| Fingerprints per user | 1-10 fingerprints |
| 1:1000 identification time | 970 msec,  including feature extraction time |

### Interface & connections

| | |
|---|---|
| Interface | Wiegand |
| Connector type | Zopf |
| Pigtail length | 100 cm |
| Protocol programming | By ACL800 BioManager Software |
| Interface | Wiegand 24 to 80 bits;<br>Default: Wiegand 26bit |

### Tamper type

| | |
|---|---|
| Pry-off tamper | No |
| Opening tamper | Yes |

### Operation

| | |
|---|---|
| Stand-alone | No |
| PIN keypad | No |
| Green LED | Externally controlled |
| Red LED | Externally controlled |
| Orange LED | Idle mode |
| Illumination | Blue backlight (programmable on/off control) |
| Buzzer | 1 (internal) |
| Authentication | Finger, Finger or Card, Finger or/and Card, Finger On Card |

### Support

| | |
|---|---|
| Language installation manual | English |

### Electrical

| | |
|---|---|
| Power supply type | VDC |
| Power supply value | 9 to 14 VDC |
| Current consumption | 160 mA at 12 VDC max. |

### Physical

| | |
|---|---|
| Physical dimensions | 100 x 94 x 30 mm |
| Net weight | 300 g |
| Shipping weight | 310 g |
| Colour | Silber |
| Material | Geformtes Aluminium |
| Form factor | Überdimensioniert |
| Mounting type | Oberflächenmontage |

### Environmental

| | |
|---|---|
| Environment | Drinnen, Draussen |
| Operating temperature | -20 to +50°C |
| Storage temperature | -20 to +50°C |
| IP rating | IP65 |

### Regulatory

| | |
|---|---|
| Compliancy | CE, RoHS |

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