

S3030f Portable Fingerprint Reader

Portable Handheld Card and Fingerprint Reader

OVERVIEW

The S3030f Portable Reader is a lightweight and rugged hand-held card and fingerprint reading device for use with the CEM AC2000 SE system v6.3 software & upwards. It can be used for ID card and fingerprint verification at remote sites or temporary entrances which have no power, and can also be used as a mobile device for random checks within pre-defined zones.

A large full colour TFT touchscreen provides quick and easy navigation and also provides information about card validity, including Cardholder details (e.g. Cardholder Photograph, Name, Job Title, Date of Birth, Card Valid, Card Expired, Card Expiring, Wrong Timezone, Lost/Stolen, Invalid Biometric and Not In System).

A Roaming feature allows a single portable reader to perform card and fingerprint verification across multiple pre-defined zones by switching between pre-defined virtual addresses.

The S3030f portable reader can also be used for Mustering situations and always contains the current system muster state. This provides a muster count which is decremented as people present their card and fingerprint for verification at the safe area. Any remaining cardholders can be listed in a mini report on the portable screen.

An Occupancy feature allows a cardholder head count to be performed in a defined area to ensure capacity has not been breached. Occupancy provides the ability to do spot checks on a set group of people in a defined area, e.g. a bus or plane.



Up to 200,000 card ID's can be held in the reader's database for differentiation between authorised and unauthorised personnel and up to 8,000 offline card swipe transactions can also be stored for on-line transmission to the AC2000 system via built-in 802.11g WiFi connection or USB cabled connection (supports WPA2-AES Encryption).

Card technologies supported include 13.56MHz HID iClass, MiFare (also supports DESFire CSN 32bit), and Picopass.

FEATURES

- Hand size and robust
- Suprema fingerprint module
- Large memory capacity for up to 200,000 card records
- Internal capacity for up to 8,000 offline transaction events
- Full colour TFT touchscreen with stylus pen
- 802.11g WiFi (using WPA2-AES Encryption) or USB 1.1 cabled connection
- Deluxe protective carry case with straps
- Spare batteries available
- Supplied with charging cradle
- Applications include construction site access, temporary entrance gates, guard tours, and a variety of off-site locations
- Roaming across pre-defined zones
- Mustering at safe areas with muster count and mini report
- Occupancy for head count in a defined area

PRODUCT HIGHLIGHTS

Battery Charging

The S3030f Portable Reader is supplied with a charging cradle which provides a quick and easy way to place the unit on charge, with typical charge time from empty up to 12 Hours, providing up to 16 hours of use.

Whilst in this cradle it will connect to the AC2000 server to upload card transactions and also receive any new or updated cardholder records and fingerprint templates.

Rugged Design

The S3030f Portable Reader has been designed with strength in mind, with a compact and robust enclosure. It comes in a strong polycarbonate casing with heavy duty protective carry case and straps.

Multiple Card Reading Support

The S3030f Portable Reader can be ordered in a variety of different models, each providing different card reading technology, for example, 13.56Mhz MiFare (also supports DESFire CSN 32Bit), HID iClass and high security PicoPass (Sector Ready).

Mobility

The S3030f Portable Reader can be used in a wide range of scenarios where mobility is paramount. For example, it can be used by a security guard either in a patrolling mode within pre-defined zones, or at fixed temporary locations where there is no power, to verify that a cardholder is authorised to be at that location and to record their presence. Other scenarios include construction sites, bus and train stations, airside / landside boundaries, and random checks within large commercial sites.

TECHNICAL SPECIFICATIONS

PHYSICAL

Size	225 x 100 x 45mm
Weight	650g (22.9oz) with connectors
Housing	Flame retardant polycarbonate containing fully encapsulated electronics. (excluding fingerprint head)
Colour	Black and Yellow
Power	
Voltage	2.4VDC
Battery	4000mAh NiMH rechargeable Pack
Charge Time	12 Hours Fully Charged Up to 16 Hours (depending on use).

ENVIRONMENTAL

Temperature	Indoor use/outdoors if dry and dust free 0°C to 55°C (32°F to 131°F)
Display	3.5inch VGA TFT 320x240pixels Touch Screen

FUNCTIONALITY

Read Head Specification	
Card Motion	Manual /Presentation
Available Head Technologies	MiFare Smartcard 13.56MHz DESFire Smartcard CSN 32Bit HID iClass Smartcard 13.56Mhz PicoPass Sector Read

Memory	128MB Onboard non-volatile NAND Flash 8GB Compact Flash
Database	
Cardholders	Storage of up to 200,000 cardholders.
Transactions	Up to 8,000 transactions in offline operation.
Configuration	Cardholder database is downloaded from host server. Some configuration settings can also be set using the touchscreen.

COMMUNICATION INTERFACE

To System Host	Encrypted TCP/IP using 802.11g WiFi USB 1.1 cabled connection (Clarinet USB –Ethernet Hub for wired connection).
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PRODUCT CODES

RDR/302/F35	13.56MHz MiFare (also supports DESFire CSN 32Bit)
RDR/302/F38	13.56Mhz HID iClass
RDR/302/F36	Picopass

Minimum system Requirements	AC2000 SE v6.3 software & upwards
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