

S3030 Portable Reader

Portable Handheld Card Reader



Features that make a difference:

- Hand held card reader for use with the CEM AC2000 access control system
- Full colour TFT touch screen with stylus pen
- Display cardholder colour photograph
- Dual credential authentication through card swipe and visual confirmation of cardholder photograph
- Hand size and robust, weighing only 550 grams
- Large memory capacity for up to 200,000 card records
- Internal capacity for up to 8,000 offline transaction events
- 802.11g WiFi (using WPA2-AES Encryption) or USB 1.1 cabled Connection
- Deluxe protective carry case with straps
- Spare batteries available
- Optional 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
- Random check functionality

The S3030 Portable Reader is a lightweight and rugged hand-held card reading device for use with the CEM AC2000 system. It can be used for ID card validation 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 touch screen 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 and Not In System).

A Roaming feature allows a single portable reader to perform card verification across multiple pre-defined zones by switching between pre-defined virtual addresses. Off-line transactions and outcomes are uploaded to the host when next on line.

The S3030 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 swipe their card 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 preventing card sharing. Occupancy provides the ability to do spot checks on a set group of people in a defined area, e.g. a bus or plane. The S3030 can also be configured to perform random cardholder security checks.

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 125kHz HID Proximity, 13.56MHz HID iClass, MiFare (also supports DESFire CSN 32bit), and Picopass.

Battery Charging

The S3030 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.

When placed in the cradle it will connect to the AC2000 server to upload card transactions and also receive any new or updated cardholder records automatically.

Rugged Design

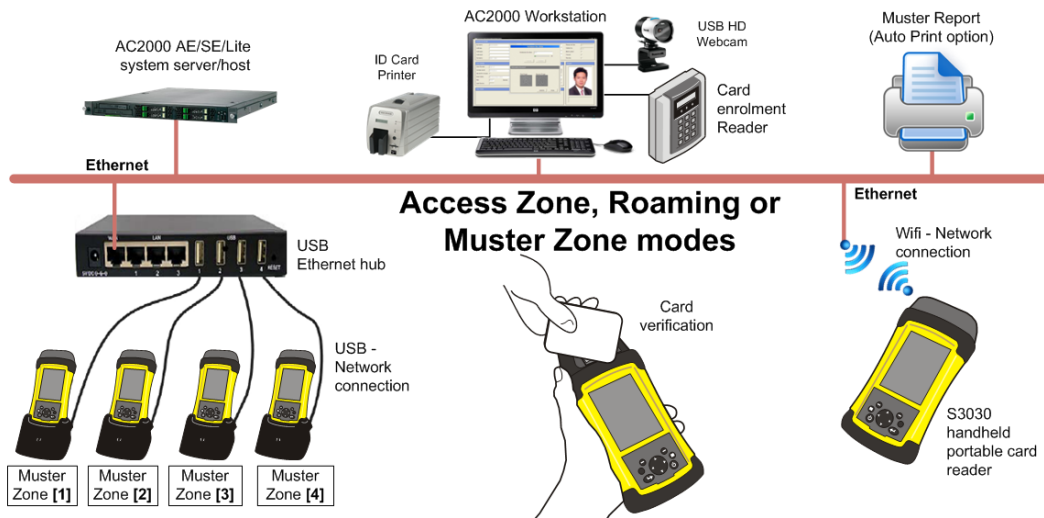
The S3030 Portable Reader has been designed with strength in mind, with a compact and robust enclosure. It comes in a strong polycarbonate casing with heavy duty protective carry case and straps.

Multiple Card Reading Support

The S3030 Portable Reader can be ordered in a variety of different models, each providing different card reading technology, for example HID 125kHz Proximity, 13.56Mhz MiFare (also supports DESFire CSN 32Bit), HID iClass and high security PicoPass (Sector Ready).

Card Enrolment

Card numbers are imported into the AC2000 system using a card validation reader and the AC2000 enrolment software.



Mobility

The S3030 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 predefined 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.

Specification

Physical

Size 205 x 95 x 45mm
Weight 550g (19oz) with connectors
Housing Flame retardant polycarbonate containing fully encapsulated electronics.
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

IP Rating IP67
Temperature -30°C to 60°C (-22°F to 140°F)
Humidity MIL-STD-810F, Method 507.4
Display 3.5inch VGA TFT 320x240pixels Touch Screen

Functionality

Read Head Specification
Card Motion Manual Presentation

Available Head Technologies HID 125kHz Proximity
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 touch screen

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

Requirements

- AC2000 SE v6.3 software and upwards
- AC2000 AE v6.6 software and upwards
- AC2000 Lite v6.4 software and upwards

Ordering Information

Product Code	Description
RDR/302/301	S3030 portable card reader (125kHz HID Proximity)
RDR/302/305	S3030 portable card reader (13.56MHz MiFare. Also supports DESFire CSN 32Bit)
RDR/302/308	S3030 portable card reader (13.56Mhz HID iClass)
RDR/302/306	S3030 portable card reader (Picopass)

Related Products



AC2000 SE



AC2000 AE



AC2000 Lite

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