CEM SYSTEMS

From Tyco Security Products

S3030f Portable Fingerprint Reader
Portable Handheld Card and Finger Reader

Features that make a difference:

- 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 touch screen with stylus pen

- Display cardholder colour photograph

- Triple credential authentication through card swipe, fingerprint and visual confirmation of cardholder photograph

- 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

The S3030f Portable Reader is a lightweight and rugged hand held card and fingerprint reading device for use with the CEM AC2000 access control system. 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 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, 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.

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).
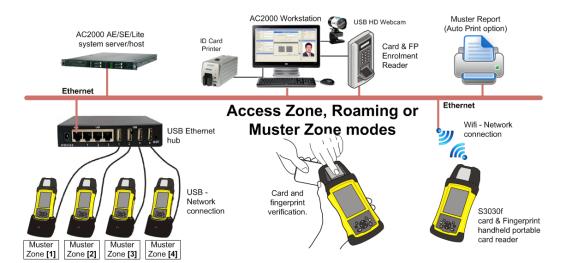
Card Enrolment

Fingerprints are imported into the AC2000 system using an S610f validation reader and the AC2000 enrolment software.

Mobility

The S3030f Portable Reader can be used in a wide range of scenarios

AC2000 AE/SE/Lite system server/host

ID Card Printer

AC2000 Workstation

USB HD Webcam

Card & FP Enrolment Reader

Muster Report (Auto Print option)

Ethernet

USB Ethernet hub

Access Zone, Roaming or Muster Zone modes

Ethernet

Wifi - Network connection

USB - Network connection

Card and fingerprint verification.

S3030f card & Fingerprint handheld portable card reader

Muster Zone [1] Muster Zone [2] Muster Zone [3] Muster Zone [4]

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 . . . . 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)
Fully Charged . . . . Up to 16 Hours (depending on use)

Environmental

Temperature . . . . -30°C to 60°C (-22°F to 140°F)
Display . . . . 3.5inch VGA TFT 320x240 pixels 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 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
- S610f Fingerprint capture/enrolment reader

Ordering Information

Product Code	Description
RDR/302/F35	S3030f portable card and fingerprint reader (13.56MHz MiFare, also supports DESFire CSN 32Bit)
RDR/302/F38	S3030f portable card and fingerprint reader (13.56Mhz HID iClass)
RDR/302/F36	S3030f portable card and fingerprint reader (Picopass)

Related Products

AC2000 SE   AC2000 AE   AC2000 Lite