S3040 Portable Reader
Handheld Card Reader

Features that make a difference:

- Authenticate cardholder details anywhere, even if mains power is unavailable
- Encrypted Storage of up to 200,000 cardholders on-board
- Dual credential authentication through card swipe and visual confirmation of cardholder photograph
- Mustersing, Occupancy, Roaming and Random Check functionality
- IP68 rated rugged design and lightweight at just over 550g
- High-res 3.5" TFT LCDQuadraClear™ sunlight readable display
- LifeSupport™ hot swappable batteries
- Connection to host via TCP/IP using 802.11b/g/n encrypted WiFi or connection via USB ethernet hub
- Support for 125kHz HID Proximity, MiFare or DESFire CSN, HID iClass/iClass SE, PicoPass Sector and CEM DESFire
- PS336 Office Docking provides charging capability not only for the S3040 Portable reader but also for a spare battery simultaneously

The S3040 is a lightweight and rugged hand-held card reading device for use with the AC2000 access control and security management system.

Mustersing Mode
S3040 readers may be used as portable muster devices. This means that, in the event of an emergency, the reader may be taken to a safe muster point, where cardholders swipe the reader with their card to confirm that they are no longer in danger. Details of remaining cardholders that have not swiped can be listed as a report on the S3040 display.

Occupancy Mode
An Occupancy feature allows cardholder head counts to be performed in a defined area preventing card sharing. It also provides the ability to do spot checks on a set group of people in a defined area, e.g. a bus, ensuring maximum occupancy levels are not exceeded.

Random Check Mode
The S3040 also features Random Check Mode which instructs operators to perform random checks on cardholders. For example, the S3040 can be configured to prompt a guard to check cardholder’s personal protection equipment (PPE) for adherence to company policy, or an airport might use the search prompt to manage search ratios.

Multiple Card Reading Support
The S3040 Portable Reader is available in a variety of different models, each providing different card reading technology for example HID 125Khz Proximity, MiFare or DESFire CSN, HID iClass/iClass SE, PicoPass Sector and CEM DESFire.

Roaming Mode
A Roaming feature allows a single S3040 to perform card verification across multiple pre-defined zones or access levels by switching between virtual addresses. Security guards can use this feature to essentially check access permissions across entire buildings or sites, changing virtual addresses as they roam.
S3040 Portable Reader Topology

Specifications

Physical
Size ................. 220 x 89 x 30mm
Weight ................ 550g (Approx)
Housing .............. Flame retardant polycarbonate containing fully encapsulated electronics
Color ................ Black and Yellow
Memory .............. 512MB RAM, 8GB Flash

Power
Charging Voltage....... 12v DC
Battery ................ 5600mAh Li-Ion smart battery
Charge Time .......... Less than 8 hours
Fully Charged ........ Up to 10 Hours (depending on use)

Environmental
IP Rating .......... IP68
Temperature .......... -25°C to 55°C Operational
Humidity ........... 95% RH, non-condensing
Display .............. 3.5” TFT LCD VGA (480 x 640) Pressure sensitive touchscreen Blan view transmissive display

Functionality
Available Read Head
Technologies .......... HID 125KHz Proximity, MiFare or DESFire CSN, \nHID iClass/Class SE, PicoPass Sector and CEM DESFire
Database Cardholders ... Storage of up to 200,000 encrypted cardholders
Transactions .......... Storage of up to 50,000 transactions in offline operation
Communications ....... Encrypted TCP/IP using 802.11g WiFi or USB cabled connection (Requires USB-Ether Hub)

USB-Ether hub Specifications
Port Connectors ........ Four USB 2.0 hardware ports, four 10/100 Ethernet
System Requirements ... Web browser for configuration
Power .................. SVDC
Regulatory Compliance . FCC, CE and VCCI (application of VCCI in progress)
Dimensions ............... (Hub) (L x W x H): 152mm x 88 x 25; 6" x 3.5" x 1"
Weight ................ (Hub & power adapter) 0.45Kg / 16oz
Operating temperature .... 0°C – 40°C
Humidity ............ 10% – 90% RH (Non-condensing)
Storage temperature . -20°C – 90°C

Regulatory
Agency Certification ... FCC Part 15
CE

Ordering Information
Product Codes Description
RDR/304/001 S3040 Portable Card Reader (with onboard 125kHz HID Proximity)
RDR/304/005 S3040 Portable Card Reader (13.56MHz MiFare/DESFire CSN)
RDR/304/006 S3040 Portable Card Reader (PicoPass)
RDR/304/008 S3040 Portable Card Reader (iClass SE)

Requirements
• AC2000 v6.3 software and upwards
• AC2000 Airport v6.6 software and upwards
• AC2000 Lite v6.4 software and upwards

Related Products
AC2000
AC2000 Airport
AC2000 Lite