

# MobileGate™ Series Wireless Handheld Readers

**MobileGate™ employing 2.4 GHz Point to Point  
Communication to PACS Panel.  
A wireless solution for Physical Access Control.**

Reader Configurations Supporting Multiple  
Card Formats and Authentication Levels:

ISO 1443 A/B, DESfire  
Embedded iCLASS (13.56MHz):  
Reads iCLASS, MIFARE® Standard,  
Ultralight, or DESfire® credentials  
Embedded 125KHz Proximity:  
Reads HID Proximity or Farpointe  
Pyramid Series  
Biometric configurations available



## Available Configurations

- 900H0010K ..... MobileGate: Contactless card read interface, keypad, biometrics.
- 900H0010T ..... MobileGate for TWIC: Contact card read interface, keypad, biometrics.
- 900H0121 ..... MobileGate for iCLASS (13.56MHz): Reads iCLASS, MIFARE® Standard, Ultralight, or DESfire® credentials:  
Contactless card read interface only.
- 900H0122 ..... MobileGate Embedded 125KHz Proximity: Reads HID Proximity or Farpointe Pyramid Series
- 900H0111 ..... MobileGate for MIFARE / DESfire: Contactless card read interface only.

## Specifications

### Card and Card Formats

Reads Veridt Biometric Access Control Template, GSC-IS compliant containers, PIV & PIV I, TWIC, CAC & CAC-PIV cards and any data model based on MIFARE®, DESfire® or ISO 1443A or B cards, and ISO 7816.

### Operation

**Multi-factor Authentication:** configurable for Card only, Card + PIN, Card + Biometric, Card + PIN+ Biometric.

**Multi-mode operation:** easily programmed to dynamically recognize multiple card formats for legacy, local and government requirements.

### Hardware

#### Biometric Fingerprint Reader

**Sensor technology** CMOS active capacitance

**Image Area** 18.0 mm high X 12.8 mm wide

**Image resolution** 508 DPI

**Grayscale** Full 8-bit

**Image size** 256 x 360 pixels

**FIPS 201 compliant** YES

**ANSI 381 image format** YES

**ESD protection** IEC 61000-4-2 level 4 +/- 15KV

**Image processing and Matching** Cogent SecurASIC

**Extraction & Verification Time** ~1 second

**FRR** 0.1% - 0.001%

**FAR** 0.01% - 0.001%

**Allowable Finger Rotation** +/- 180°

#### Card Readers

Contactless Smart Card Read Interface

ISO 14443-A, B

- Card Read Range: to 1.0 in. (2.5 cm)

**Contact Card Read Interface**

ISO 7816 compatible

#### Keypad

### Digital Interface Signals

**Wiegand serial data output:** Configurable to 512 bits

50 mA maximum output current drive (output low).

### Wireless Interface Signals

#### Electrical Specifications:

Supply Voltage 8-24VDC

Current 500mA

#### Radio Specifications:

Frequency 2.4 GHz ISM band

Type Frequency Hopping Spread Spectrum

Transmit Power 100mW

Receive Sensitivity -110 dBm

Interference Rejection 70dB

### Battery Operation

High quality 11.1 V Li-Ion rechargeable battery.

Voltage: 11.1V (working); 12.6V (peak); 7.5V (cut-off)

Current: 2200 mAh (24.4 wh).

#### Protection Circuits:

5A circuit installed with the battery pack and protects the battery from:

Overcharge (>12.6V)

Over discharge (< 7.5 V)

Over drain (> 5 Amp)



## 872-106600 Base Unit for interfacing to industry standard security panel

Each Wireless Handheld unit is configured to communicate with a 2.4Ghz Transmitter/Receiver that connects to industry standard security PACS panel by a Wiegand output format (one panel interfaced transmitter / receiver per wireless unit).

## 842-101300 Docking Station

A charge-only dock for easy storage of unit when not in use and for recharging internal battery back. AC power required.

Dimensions (height X width X depth in mm):

152 diameter X 76 without charger

152 diameter X 152 with charger

