

PRODUCT SPECIFICATIONS

MobileGate™ Series Wireless Handheld Readers
2.4 GHz Point to Point Communication to PACS Panel
A wireless solution for Physical Access Control

Hardware platforms:

900H0121	Mobile Gate Wireless Reader for i-CLASS
900H0122	Mobile Gate Wireless Reader for HID Prox
900H0123	Mobile Gate Wireless Reader for AWID Prox
900H0111	Mobile Gate Wireless Reader for MIFARE/DESfire



Embedded iCLASS (13.56MHz)

Reads iCLASS, MIFARE® Standard, Ultralight, or DESfire® credentials ([P/N 900H0121](#)) .

Embedded 125KHz Proximity

Reads HID Proximity ([P/N 900H0122](#)) or Farpointe Pyramid Series Cards and Tags: PSC-1, PSI-4, PSM-2 and PSK-3 ([P/N 900H0123](#)) .

Card Formats for Card Only

Reads MIFARE® Standard, Ultralight, or DESfire® credentials ([P/N 900H0111](#)) .

Card and Card Formats

Veridt Multimode reads 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. 125 KHz Prox optionally available.

Operation

Multi-factor Authentication: Configurable for Card only, Card + PIN, Card + Biometric, Card + PIN+ Biometric authentication modes.

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

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842-101300: Docking Station

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



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 transmitter / receiver per wireless unit).

Digital Interface Signals

Wiegand serial data output: Configurable to 256-bits;
50 mA maximum output current drive (output low).

Wireless Interface Signals

Electrical Specifications:

Supply Voltage 8-24VDC

Current 500mA

Radio Specifications:

Frequency 900 MHz 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)

Short circuits

A poly-switch installed to limit maximum discharging current at 4.2A

and to protect against incorrect polarity.

Environmental

Operating temperature: -15°C to 66°C (5°F to 151°F)

Humidity: 5% to 100% (non-condensing)

Operating altitude: 0 to 3048 m (0 to 10,000 ft)

Radio frequency: 13.56 MHz

Tamper resistant: Tamper resistant .

Power: 8 to 16 VDC, 250 mA

Mechanical

Width: 11.43 cm (4.50 in)

Height: 21.59 cm (8.50 in)

Depth: 4.45 cm (1.75 in)

Weight: Less than 1.0 kg (2.2 lb)