

SED-904 HBUS Handheld-Master

Wireless Card Reader Access Control



The SED-904-H-Bus Gallagher™ wireless handheld is the latest generation of wireless access control products designed and developed by Sec-Eng Systems, with over 20 years of proven sales.

The Handheld & Master system provides a portable card reader capable of sending HBUS card data to the client's access control system in real time via a wireless ISM radio link that is FCC certified.

- Supports Gallagher HBUS reader with up to 300m operational line of sight range (subject to RF conditions)
- Supports reader upgrade through the wired charger dock (via Gallagher™ command centre).
- Built in rechargeable handheld battery
- Durable & light weight handheld construction
- Ability to lock the card data channel
- Full card reader LED and buzzer functionality
- User friendly touchscreen interface for Master



Products Designed & Made In Australia
Gallagher is a trade marked product

www.seceng.com.au

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FEATURES

OPERATION

The SED-904 Handheld-Master system provides a portable wireless card reader with a real-time data connection to the client's Gallagher™ access control system using HBUS protocol. The Handheld is able to transmit the card data to the Master base station via a low power 915MHz (LoRa) radio module, with a line of sight range of up to 300m. The Master base station then passes the card data to the Gallagher™ access control system via RS485. The access control system can then send a signal back to the reader to provide the user with LED and buzzer feedback on the status of the card presented. This entire action takes place in real time. All RF data maintains the two-way Gallagher™ encryption to and from the reader.

POWER AND BATTERY

The Handheld operates on a long-life rechargeable Lithium-Ion battery pack, allowing the unit to run for an extended period of time on battery power. This run time will vary depending on the type of reader fitted and its use.

REALTIME DATA CHARGER DOCK

The real time charger dock provides a wired connection when on charge, this allows the door controller to be directly wired to the HBUS reader, which in the event of a system upgrade this will allow the reader to be upgraded in real time, and with the added benefit of easy access to charge the handheld.

PROGRAMMING & SETUP

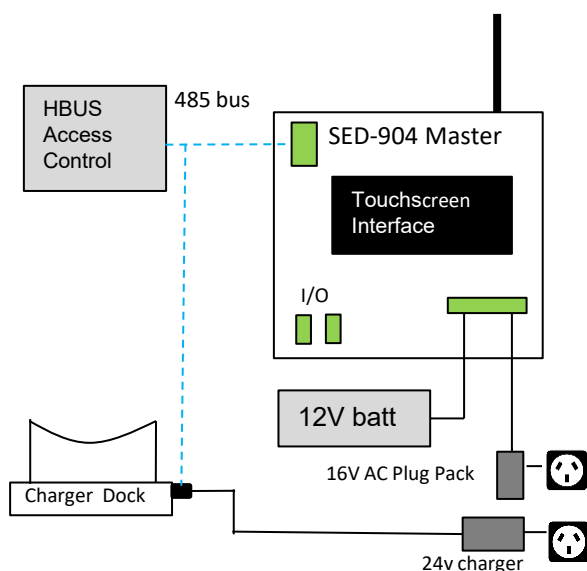
The SED-904 master has a simple to user touch screen for programming and set up with a diagnostics screen which is simple to use and navigate.

LEDS AND BUZZER

The card reader fitted to the Handheld unit will have full functionality of its LED indicator and buzzer (just like a wired reader). The Handheld itself features a number of LEDs to indicate the status of radio signal, battery charge and data transfer.

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TECHNICAL SPECIFICATIONS

RADIO SPECIFICATIONS

Frequency Operational:	919 MHz to 925MHz
Transmit Power:	100mW
Security Encryption:	128bit AES key coded

ACCESS PROTOCOL SUPPORTED

Wiegand:	240bit (up to)
Gallagher:	HBUS Only

SED-904 HANDHELD

Battery:	14V 2.34Ah Lilon
Charge Time:	3 Hours
Standby Time:	20 Hours
Charger Input:	110V-240VAC
Charger Output:	24V DC 2.5A
Reader Power:	8V-12 DC
Antenna Type:	Internal - PCB
IP Rating:	IP 61
Dimensions:	197 x 66 x 43mm (Plastic Housing)

SED-904 MASTER

Power Pack Input:	230V-240VAC
Power Pack Output:	16V AC 1.5A
External Power Supply:	12V or 24V DC 2.5A
Backup Battery:	12V 7Ahr gel cell (Not included)
Antenna Connection:	SMA Female
Antenna Type:	External 3dB Omni (High Gain Optional)
Dimensions:	235 x 250 x 80mm (Metal Cabinet)

SED-904 EXPANDERS

Power Input:	Supplied by Master unit via RS485 Connection
Antenna connection:	SMA
Dimensions:	235 x 250 x 80mm (Metal Cabinet)

