

# SEC-ENG SYSTEMS

## PRODUCT CATALOGUE - NOV 2020



Sec-Eng Systems is a leader in high security commercial products. With over 20 years experience in proven design and development - our products are Australian made to the highest quality standards.

All of our products can be found on our website:

[www.seceng.com.au](http://www.seceng.com.au)

**SEC-ENG**  
S Y S T E M S

Telephone: 02 9524 9952

Email: [sales@seceng.com.au](mailto:sales@seceng.com.au)

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## 3G & 4G PRODUCTS

### SED - 64 Alarm Backup

GSM dialler (fulltime and backup) compatible with PSTN alarm diallers.

- 3G Compatible
- PSTN line monitoring
- Auto switchover GSM path when PSTN is severed
- Built in Contact ID dialler
- SMS reporting to 3 mobile numbers
- Battery backed system
- 4 x 24hr tamper inputs
- Optional Input/Output expansion board
- Supports Sec-Eng Pegasus system



### SED - VTI Virtual Phone Line

GSM telephone interface compatible with PSTN alarm diallers.

- 4G and 3G Compatible
- Compatible with DTMF and Voice diallers
- Standard RJ dialler connection
- LED indication for signal strength
- Small and compact design
- Supports Sec-Eng Pegasus system
- Requires 12V DC power supply



### SED - ROUTER 4G & 3G

4G/3G wireless internet and data router. Ideal for M2M, video surveillance, remote and mobile applications.

- Compatible with 4G(LTE) high speed network
- Up to 40Mbps download & 20Mbps upload
- Built in WIFI router
- Gigabit Ethernet port
- Supports Dynamic DNS
- Supports custom scripting



### SED - 30 I/O SMS Controller

Input/Output SMS system. Ideal for remote machine monitoring and control.

- 4G and 3G Compatible
- 8 on-board inputs (expandable to 24)
- 4 relay outputs (expandable to 20)
- SMS reporting to 8 mobile numbers
- Ability to write custom SMS text
- 12V 1A DC output
- Battery backed system
- Easy to install and operate



## 3G & 4G PRODUCTS

### SED - 642 Lift Phone Redundant Communication Portal

The SED-642 is a dual 3G phone line system designed for emergency dialler applications.

The system provides a primary and secondary redundancy path, with auto sensing and switch over. Ideal for lift emergency communication applications

- 3G Compatible
- Dual SIM card system
- 2 Independent 3G voice paths
- built in Contact ID dialer
- Battery backed system
- 24hr tamper inputs
- Zone input SMS reporting
- Supports Sec-Eng Pegasus system



## WIRELESS NETWORK

### SED - 485 Wireless LAN

The SED-485 is a point-to-point system providing a wireless RS485 and RS232 communication for LAN security systems.

The system operates on low powered 915-928 MHz encrypted link with up to 900m line of sight range.

Compatible with the following LAN security systems:

- GE (Challenger panels)
- Siemens (SI Pass panels)



# WIRELESS ACCESS CONTROL PRODUCTS

## SED - 902 Wireless Handheld - Wiegand

Portable access card reader to suit Wiegand systems.

- 915MHz operation frequency
- Up to 400m line of sight range
- Dual card reader output (Entry & Exit)
- Rechargeable handheld with 20hr standby time
- Splash & dust resistant handheld enclosure
- Supports up to 240bit Wiegand cards
- Supplied with HID multiclass RP10 reader
- Supports most Wiegand card readers including HID, Tecom, Smart Card, BQT



## SED - 902 Wireless Handheld - Cardax

Portable access card reader to suit Gallagher/Cardax systems.

- 915MHz operation frequency
- Up to 400m line of sight range
- Dual card reader output (Entry & Exit)
- Rechargeable handheld with 20hr standby time
- Splash & dust resistant handheld enclosure
- Compatible with Gallaher GBUS interface
- Supports up to 240bit Cardax cards
- Supports most Cardax card readers including 125, Mifare, Teardrop, T10, T11



## SED-901 3G Wireless Handheld Wiegand

3G access card reader to suit Wiegand systems. Ideal for applications without line of sight, or more than 300m range is required.

### \*For Australian Market Only

- Operates on the 3G mobile data network
- Unlimited range (country wide network coverage)
- Dual card reader output (Entry & Exit)
- Rechargeable handheld with 10hr stand by time
- Splash & dust resistant handheld enclosure
- Supports up to 240bit Wiegand cards
- Supplied with HID multiclass RP10 reader
- Supports most Wiegand card readers including HID, Tecom, Smart Card, BQT



## SED - 902 Remote-Master

Wireless point-to-point Wiegand and Cardax access control link. Suitable for boom gates, remote guard house, bus depots.

- 915MHz operation frequency
- Up to 500m line of sight range
- Supports Wiegand and Gallagher/Cardax systems
- 2 card reader inputs per board (expandable)
- 4 x cross linked input/output connections
- Battery backed system
- Ability to run of 12V DC



## 4G GPS TRACKING PRODUCTS

### SED - VTU Vehicle Tracking Unit

4G & GPS vehicle tracking system for high security applications.

- 4G and 3G Compatible
- Built in 54-channel GPS chipset
- 4 Programmable inputs (expandable to 8)
- 4 Controllable outputs (expandable to 8)
- Ignition input
- Input voltage 10V-36V DC
- 3-axis movement detection
- 24hr battery backup
- Programmable polling rate
- Marco input/output control function
- RS485 BUS for external custom applications
- Tough robust metal enclosure
- Compatible with Sec-Eng Pegasus tracking server



### SED – MTU Multi Purpose Tracking

The SED-MTU (Multiuse Tacking Unit) is a customisable GPS & 3G tracking platform providing a feature packed system with unprecedented reliability in security and performance.

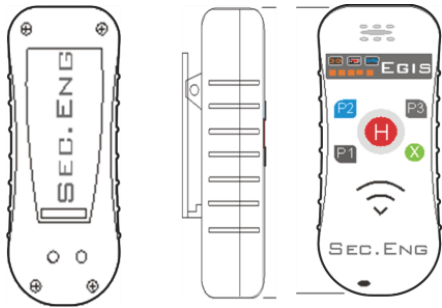
- Ability to trigger upon movement
- Ability to go into low power sleep mode
- Smart GPS assist systems for quick location fix
- Multi battery form factors and sizes
- Operate directly to Pegasus Tracking Server
- Ability to set polling times and wake modes
- Custom coding available
- Solar charging available
- Quick and easy to deploy



# 4G LONE WORKER – MANDOWN PRODUCTS

## SED - EGIS Mobile Personal Duress

The EGIS man down system is designed for staff who work alone in high risk environments. The 3G based device is able to generate alarm messages and call for help in the event of an emergency.



### Applications:

- Workshops
- Hospitals
- Labs
- Mixing plants
- Mining
- Security guards
- Cash transport



### Features:

- Compatible with all 4G & 3G mobile network; Telstra, Optus, Vodafone
- Ability to trigger on:
  - Man down (tilt sensor)
  - Dead man (movement detection)
  - Emergency (duress button)
- Full 2-way voice communication
- Ability to call device back and auto answer
- SMS reporting to 9 mobile numbers
- Over 24hrs of battery life
- Ability to send GPS coordinates via SMS or GPRS
- Compatible with Sec-Eng Pegasus tracking server
- Over 150 programmable functions

## SED - EGIS Charger Options



Plug Charger



Wall Charger



Vehicle Charger



5 Bank Wall Charger



10 Bank Wall Charger



## GPS TRACKING – Server Platforms (Pegasus)

### Cloud Based Asset Tracking Server

The Pegasus tracking software is a SQL server platform developed by Sec-Eng System.

Based on a dedicated cloud site utilising the Amazon web service, this platform offers excellent performance without need for dedicated server hardware.

The tracking software is accessed via a secure remote desktop session, which provides the user full access to track, monitor and control all active assets.

Pegasus is compatible with all Sec-Eng 3G & GPS tracking products including EGIS, VTU and MTU.

Emails and Contact ID reporting can also be set up using the SiiP module, Whispir service or HTTP.



### SiiP – IP to Serial Interface for Contact ID (Pegasus)

SiiP is an add-on module for security monitoring centre applications.

It enables the Pegasus software to report Contact ID alarms for all linked assets through a serial output.

Featuring a smart polled IP-to-serial interface, the system requires a fixed IP address connection.



### MSP - Micro Server Platform (EGIS Man Down)

MSP is a cost effective micro server system for EGIS man down devices.

Based on the SED-30 SMS platform, it has the ability to trigger relay outputs for local alarms and siren/strobe application. With an on-board 3G dialler it can also report Contact ID alarms to security monitoring services.





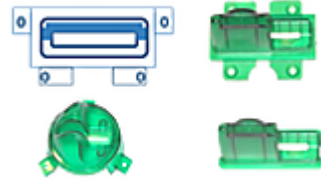
# ATM SECURITY

## Skimmer Detection For ATMs

The SED-E Field system is part of the Nexis platform which is designed for ATM skimming detection. The system provides an electronic sensing area around the mouth of a card reader slot, enabling detection of foreign objects such as card skimming devices. Once detected, the system can send an alarm signal to the customer's security system alerting of an attack.

Supported ATMs:

- DIEBOLD
- NCR various models



## Custom Designed ATM Security Products

Sec-Eng Systems specialise in the design and development of custom ATM security products. Over the last 13 years, we have designed and developed many different specialised security products, both electronic and mechanical, according to the required applications for ATMs.

### SED-AGAS Lite Gas Detection for ATMs

The SED-AGAS Lite is a cost effective, stand alone single head gas detection system, for the detection of many hydrocarbon type gases for ATMs.

#### Features

- Simple to deploy
- Quick and easy to set up
- Built-in anti tamper features
- Fail safe operation



### SED-NEXIS Gas Detection for ATMs

Solely developed for the ATM banking market, the SED-Nexis ATM Gas Detection System is a complete solution for the detection of an array of hydrocarbon type gases which may be used for attacks on ATMs.

#### Features

- Simple to deploy
- Quick and easy to set up and install
- Fully programmable
- Unique multi head detection system
- Designed in anti tamper system
- Fail safe operation
- Optional: suppression system



## SPECIALISED SECURITY PRODUCTS

### SED - MIC 01 Surveillance Mic

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The SED-MIC 01 is a high gain microphone for surveillance applications. It features a range of 13m with background noise filtering and voice amplification.

- Up to 50 watts of background noise cancellation
- Housed into a standard 200 series wall plate.
- Input voltage 12v DC
- Compatible with most VCR and digital video recorders.

#### Applications:

- Service stations
- Factories
- Clubs
- Retail shops
- Commercial premises



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### SED - SRIS Ring Indicator System

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The SED-SRIS is a microprocessor based ring cadence tone generator. An output simulating a telephone ring is generated when 12V DC is applied.

The system has the ability to sense off hook detection and then cancel the ring generation once the hand set is lifted.

- Input Voltage 12V-15V DC
- Output Voltage 45V DC
- Cadence is modulated to simulate a ring tone
- Telephone handset included



# ANTENNA PRODUCTS

## SED - A11

High gain 3G/4G antenna  
7dB, 5m cable, TNC connection  
Frequency band 824-960MHz



## SED - A20

Long range high gain directional YAGI antenna  
14dB, 5m cable, TNC connection  
Frequency band 824-960MHz



## SED - APD

Dual Band GPS and 3G/GSM window mount antenna  
4m Cable, 2 SMA connections  
Frequency band 900/1800/1900MHz



## SED - AWG

Multi band 3G/GSM window mount antenna  
5m cable, SMA-FME connection  
Freq band 800/900/1800/1900MHz



## SED - AWD

Multi band GPS and 3G/GSM window mount antenna  
5m cable, SMA-FME connection (3G)  
5m cable, MMCX-MCX connection (GPS)  
Freq band 800/900/1800/1900MHz



## SED - ARD

Multi band GPS/3G/GSM roof mount external antenna  
3m cable, SMA connections (3G)  
3m cable, SMA connections (GPS)  
Frequency Band 900/1800/1900MHz

