



*Enhancing Mobile Alert Response*



**The WaveWare Mobile Alert Response System (MARS)** is designed to act as a gateway between communications systems and offers a variety of alerting methods, including:

- MARS Messaging App (Android OS)
- Browser
- LED Displays
- Radio Paging (COMP2 or TAP protocol)
- E-mail (SMTP)

**MARS can support the following types of input event interfaces:**

- Radio Paging protocols (COMP1, COMP2, TAP)
- E-mail (SMTP)
- Browser Messaging Clients
- Inovonics sensors (fixed and mobile sensors with caregiver call and nearest receiver locating)
- WaveTrac sensors (mobile sensors with caregiver call, wander management and nearest receiver locating)

**MARS is able to be configured to do the following operations:**

**Basic operation includes:**

- Protocol conversion
- Data filtering
- Data output splitting
- Data input combining

**Event processing mode includes:**

- Basic functions plus alert event cycle processing
- Escalation
- Logging
- Reporting
- Data translation



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# MARS Messaging Server

## MARS Features

- Ethernet Port - Supports multiple alert protocol monitoring connections and smartphone connections
- Serial Port - up to 4 using USB to Serial adapters
- Simultaneous alert protocol monitoring via one or more USB ports and one or more Ethernet socket connections
- Simultaneous low-latency smartphone (Android OS) messaging connections
- Supports multiple interface protocols
- Configurable using web browser
- Programmable IP based and serial Com port settings and protocols
- Can be used with the WaveWare SPS-5 v9E paging transmitter
- Support for DHCP or static IP address
- Supports Adaptive LED message boards for viewing alerts
- Allows you to blend communication system wireless sensor monitoring
- Allows you to blend pagers, smartphones and E-mail notification

## MARS Server Specifications

- Intel NUC computer, with an AC/DC power adapter
- Linux operating system
- 8 GB RAM
- Solid state drive
- Ethernet port
- 4 USB ports
- Belkin USB-to-Serial Portable Adapter, as required per serial port connection
- MySQL database
- Apache web server
- Dimensions: Approx. 2" (H) x 5" (W) x 5" (D)
- Weight: Approx. 2.5 lbs.

## Input Protocols

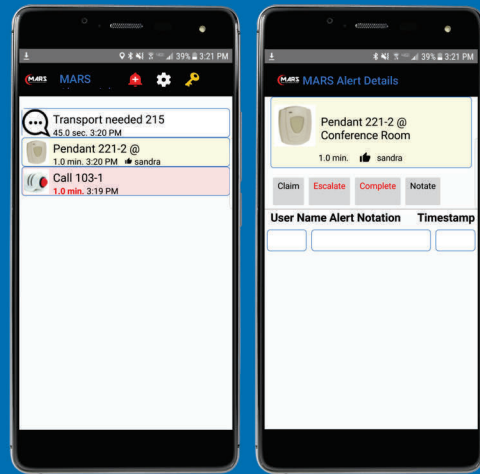
- TAP
- Comp1 & Comp2
- Inovonics
- Messaging Client
- SMTP

## Output Protocols

- Comp2
- SMTP
- LED Displays
- TAP

## MARS Messaging App

The MARS, combined with WaveWare smartphone apps, can allow mobile response teams to receive group message alerts and real-time message status updates as team members read alerts, claim responsibility for alerts, notate alerts, and mark alerts as complete. MARS can automatically mark alerts as complete as alert completion signals are detected from nurse call and wireless sensor inputs



## MARS Server



Front View

Rear View

