

SPARKGAP™

Critical Messaging System

Eliminate Uncertainty. Improve Efficiency.







Alerting

Messaging

Telemetry

Mobile Data

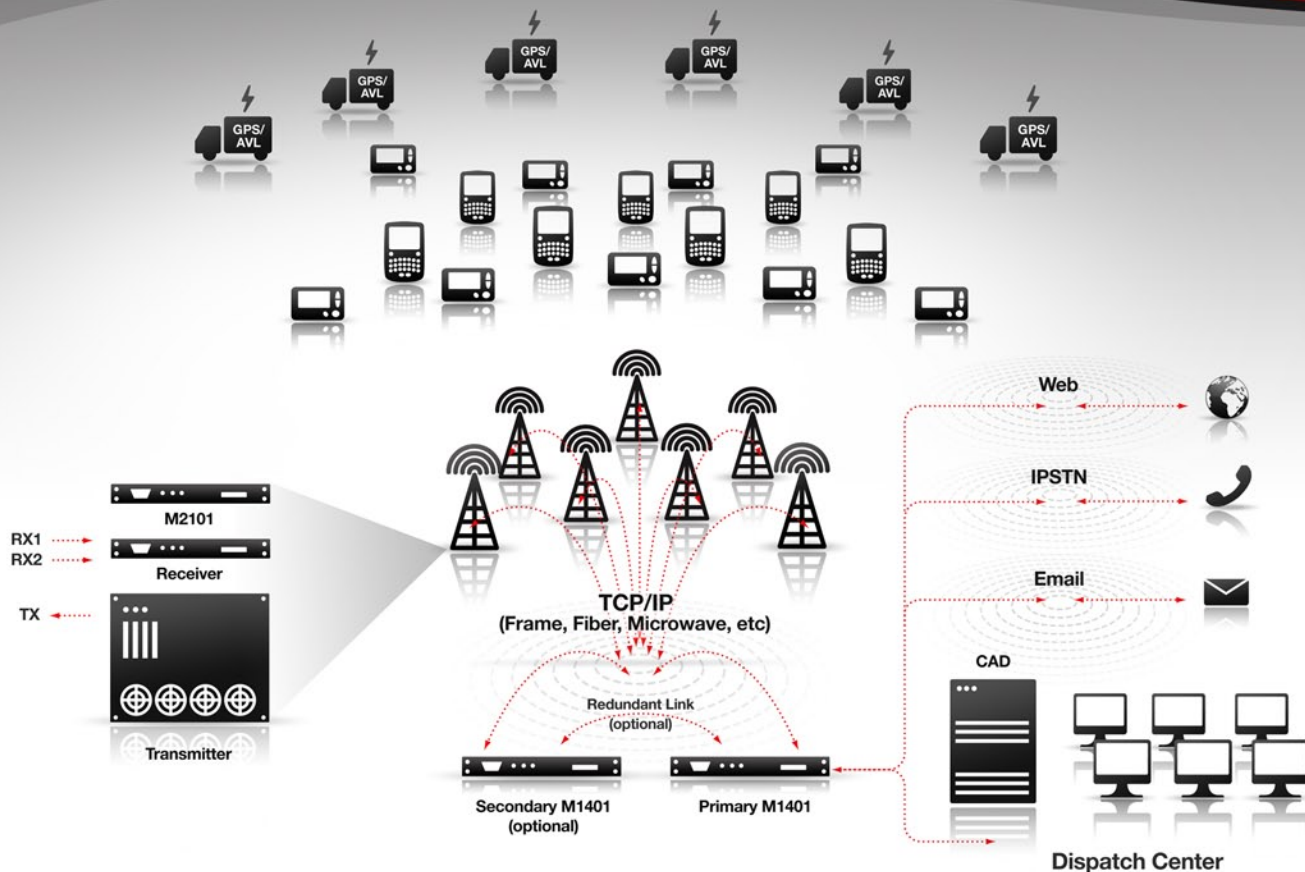
-  **Message Confirmation and Acknowledgment**
Message delivery confirmation, user read confirmation, and multiple-choice responses for individual and group messages.
-  **FAST Group and Individual Message Delivery**
Whether it's a message to single doctor or the entire hospital staff, it's delivered in less than 5 seconds.
-  **Hospital-wide coverage**
Complete coverage of the entire hospital complex plus outdoor coverage for 3-10 miles beyond.
-  **HIPAA Encryption**
128 bit AES message encryption for HIPAA compliance
-  **Wireless email**
Users can send and receive secure wireless email.
-  **Support for legacy 1-way and 2-way pagers**
-  **FCC protected channels**
Exclusive-use FCC license to ensure no interference with critical and urgent messages

Alert personnel within 5 seconds, then know immediately who has received the message, who has read the message, and how they will respond.

The SPARKGAP™ system delivers fast secure messaging to healthcare professionals without the privacy concerns and performance limitations of overhead paging, traditional beepers, and dataphones.

SPARKGAP™ connects directly to the hospital PBX, email, and intranet, as well as directly to clinical escalation systems. Whether to one person, a code group, or hospital wide broadcast, messages are delivered and pagers are alerting within 5 seconds. SPARKGAP™ is *the solution* for urgent and critical alerting in hospitals.

The SPARKGAP™ System



How it Works

- 1** Dispatcher sends an alert from CAD
- 2** Responders receive and read the message within seconds
- 3** SPARKGAP automatically informs the dispatcher as responders receive, read, and reply to the message.
- 4** Dispatch and incident command quickly know who has been alerted and who is responding.

A SPARKGAP™ system includes one M4101 network controller, one or more M2101 site controllers, base transmitters and receivers. Subscriber equipment includes pagers, MDT's, SCADA RTUs, and AVL mobile units. SPARKGAP™ connects directly to computer-aided dispatch (CAD) systems using TCP/IP, and it can connect to legacy systems using TNPP, TAP, and telephone interfaces. It provides rapid alerting and messaging with virtually unbreakable security, and operates with the lowest cost-per-user and cost-per-coverage-area of any wireless data solution available. For additional resilience, redundant hot standby configurations maintain network operation even under catastrophic circumstances, keeping responders connected when they're needed most.