

SAFE Network

VETERAN OWNED
HQE
SYSTEMS



A True Public Safety Communications Network

Why SAFE Network?



THE CHALLENGE

Fragmented systems with single points of failure hinder effective communication during critical moments, putting lives and property at risk.



THE SOLUTION

SAFE Network

SAFE Network is a dependable, secure, and independent communications platform specifically engineered for public safety. It ensures seamless connectivity between agencies and residents—even when traditional infrastructure like AC power, cellular networks, or the internet is unavailable. With SAFE Network, YOU (local emergency manager) can maintain critical communication during and throughout the most challenging scenarios, ensuring your operations continue uninterrupted and your community stays informed and **SAFE**.



Why SAFE Network?



KEY BENEFITS



YOU ARE IN CONTROL

Unlike NOAA and other systems, what and how the system is used is in YOUR control!



RELIABLE IN ANY CRISIS

Operates without AC power, cellular networks, or the internet.



UP TO 10 DAYS OF BACKUP POWER

Delivers continuous operation when AC is unavailable.



FAILSAFE MASS NOTIFICATIONS

Sends visual and audio alerts even without power, cellular, or internet access.



SEAMLESS DEVICE INTEGRATION

Connects with sirens, strobes, digital displays, and PA systems.



REAL-TIME SENSOR MONITORING

Tracks fire, weather, and security data for instant alerts.



UNLIMITED SCALABILITY

Grows with your jurisdiction's needs, from small towns to major cities.



FUTURE-PROOF DESIGN

Built to adapt to new technologies and evolving requirements.

FEATURES



The SAFE Network Infrastructure

The Backbone of Reliable Emergency Communication



EASY TO INSTALL ON EXISTING INFRASTRUCTURE

Leverages your current setup to minimize deployment time and reduce costs, ensuring rapid implementation during critical moments.



AC POWER OR SOLAR WITH BATTERY BACKUP

Offers dual power options for redundancy, ensuring continuous operation even during extended power outages.



UP TO 10 MILES OF RANGE PER GATEWAY

Provides extensive coverage to connect even remote areas, with performance optimized for varying terrains.



MILITARY-GRADE ENCRYPTION

Secures data transmissions to prevent unauthorized access, ensuring communication integrity during sensitive operations.



MANAGES MULTIPLE ENDPOINTS

Seamlessly integrates devices like SAFE Units, Outdoor Warning Sirens, Wildfire Detection Sensors, Flood Sensors, and more, creating a unified safety ecosystem for situational awareness and rapid response.

FEATURES

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"After the devastating 2018 Camp Fires left our town without AC power or cellular networks to send life-saving alerts, we partnered with CALOES and FEMA to install the SAFE Network. This reliable emergency management system ensures we can now deliver critical alerts under any conditions, mitigating the risks of communication failures during future disasters."

”

Emergency Manager
Town of Paradise, CA

No A/C Power or Cellular
Connectivity Required!



FEATURES



The SAFE Unit – Benefits to Emergency Managers

Ensures Alerts are Delivered During Outages

Operates for up to 10 days without AC power, ensuring alerts reach residents even when cellular networks and power grids fail.

Clear Audio and Visual Messaging

Combines loud tones, voice messages, and vibrant touchscreen alerts to ensure critical messages are heard and seen.

On-the-Go Alerting

SAFE Units provide portable updates during evacuations, ensuring residents receive life-saving alerts as they move through changing conditions.

ADA Compliant and Inclusive

Delivers accessible alerts for individuals with disabilities and supports multilingual messaging, ensuring every resident is reached effectively.

Cost Effective Solution

Upgrade tone-only legacy siren networks to include voice capabilities while adding effective indoor alerting—an affordable alternative to full system replacements. Also great for campuses, hospitals, and corporate offices of any size.

Extends Alert Coverage

Reaches areas where cellular-based systems struggle, ensuring comprehensive communication for all residents.

Real-Time Resident Feedback

Two-way communication allows residents to report their needs, such as requesting medical assistance or evacuation support, enabling faster, targeted responses.

Precise Zone Targeting

Sends alerts to specific units or zones, reducing unnecessary panic and ensuring critical information is delivered to those who need it most.

Reduces Dependence on Legacy Systems

Replaces outdated sirens and cellular-based software with a modern, reliable, multi-functional solution.

Seamless System Integration

Works with existing sensors and mass notification tools, streamlining operations and improving efficiency during critical incidents.

And Much More...

FEATURES



The SAFE Unit – Benefits to Residents

Life-Saving Alerts Anytime

Delivers loud tones, clear voice messages, and bright touchscreen visuals to ensure residents receive critical emergency updates, even during power or cellular outages.

Personalized Communication

Allows residents to respond directly to emergency managers via touchscreen, such as requesting medical assistance or evacuation support, ensuring their needs are met quickly.

Connectivity When Networks Fail

Acts as a Wi-Fi router for registered users, enabling peer-to-peer communication through the SAFE Mobile App, even without cellular or internet service.

Stress Reduction Through Connection

Allows residents to communicate with loved ones via the SAFE Mobile App during emergencies, reducing anxiety and fostering a sense of control.

Customizable Safety Options

Enables residents to register their SAFE Unit, creating personalized safety plans tailored to their household's needs, enhancing preparedness and confidence.

Reliable During Crises

Operates for up to 7 days without A/C power, keeping residents informed during prolonged disasters like hurricanes, wildfires, or earthquakes.

On-the-Go Safety

Portable design ensures residents can continue receiving updates while evacuating, helping them stay informed about changing threats or safe routes.

Inclusive for All

Fully compliant with ADA standards, offering accessible audio and visual alerts for individuals with disabilities, and supports multilingual alerts to serve diverse communities.

Real-Time Updates

Provides continuous, actionable updates, such as changes in evacuation routes or shelter availability, helping residents make informed decisions during crises.

Enhances Community Safety

Ensures effective, timely, and accurate communication for all residents, fostering a safer, more informed community during emergencies.

And Much More...

Comparison Matrix

SAFE Network's Advantages

Feature	SAFE Network	Cellular Networks	VHS/UHF Radio Systems	Satellite	Internet (IP)
Power Requirements	Runs on AC, solar, or battery backup.	Needs AC; towers fail during outages.	Requires AC; limited backup power.	Needs AC; terminals depend on local power.	Requires AC; prone to outages.
Backup Power	Up to 10 days standby power.	Few hours of backup power.	Limited; backup varies widely.	Backup often limited to ground stations.	Limited; tied to local power.
Standard Range	Up to 10 miles per gateway.	Poor in rural areas like Paradise.	5–20 miles; terrain affects range.	Global; signal degrades in obstructions.	Limited in rural areas.
Weather Impact	Operates reliably in all conditions.	Fails during severe weather.	Signal interference in storms.	Signal loss in rain or snow.	Infrastructure fails in extreme weather.
Deployment Cost	Low; uses existing infrastructure.	High; building towers is costly.	Moderate; needs base stations and radios.	High; terminals and contracts required.	High; infrastructure expensive.
Maintenance Needs	Low; minimal upkeep.	High; frequent tower repairs.	Moderate; equipment checks needed.	High; satellite upkeep is costly.	High; constant upgrades needed.
Maintenance Cost	Low; cost-effective long term.	High; frequent repairs increase costs.	Moderate; costs vary by size.	High; access fees and upkeep.	High; expensive to maintain.
Scalability	Highly scalable and flexible.	Limited; rural expansion is costly.	Moderate; requires new frequencies.	Limited; adding capacity is expensive.	Limited; rural expansion is hard.
Security	Military-grade encryption.	Moderate; prone to hacking.	Moderate; encryption is optional.	High; depends on user practices.	Moderate; vulnerable to cyberattacks.
Independence	Fully independent from external networks.	Relies on towers and infrastructure.	Moderate; depends on frequency managers.	Low; depends on satellite providers.	Low; relies on infrastructure.
Critical Alerts	Unified Electronic, Indoor, & Outdoor Alerts	Limited; fails in outages.	Limited; local station dependent.	Delays in poor conditions.	Needs power and internet.
Sensor Integration	Fire Detection, Flood, Severe Weather, Gunshot, and more	Limited; no sensor data integration.	Low; lacks sensor capabilities.	Low; needs extra hardware/software.	Limited; requires expensive integration.

Technical Specs

SAFE Network Gateways



SAFE Network











Hardware configurations are subject to change without prior notice.

Technical Specs

SAFE Network Gateways



Specifications

- 
Power:
 120 VAC, Solar w/ Battery, POE
 Backup: 12V/2A Battery
 Standby: 10 Days
- 
Range Up to 10 Miles
 Terrain Dependent
 Open Flat Area: Up to 10 Miles
 Medium City: Up to 3 Miles
 Hills & Trees: Up to 2 Miles
 Large City: Up to 1 Mile
- 
Rating IP66
 Heavy Rain & High Winds
- 
Mounting:
 Wall
 Pole
 Inside A Network Box
- 
Weight: > 1.75 Lb
- 
Material: Environment Resistant plastic
- 
Temp -40F to 158F
Humidity 0 to 100% (non-condensing)
- 
Integration Options
 Satellite
 Spread-Spectrum RF
 WiFi
 BLE/Bluetooth
 Fiber Optic



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Technical Specs

SAFE Unit Personal Alerting Unit



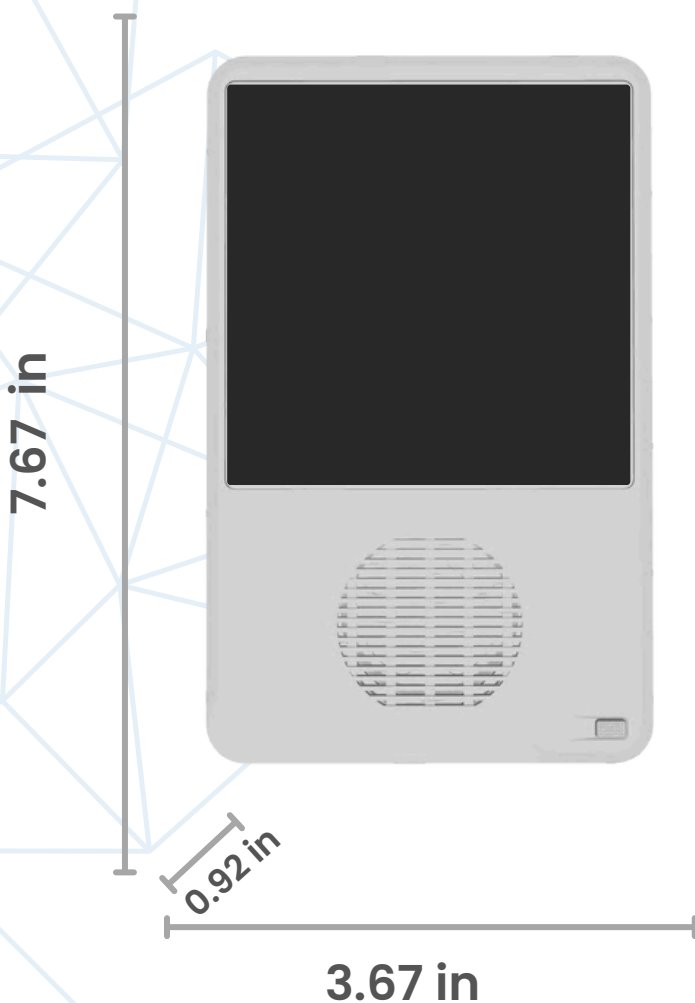
SAFE Unit












Hardware configurations are subject to change without prior notice.

Technical Specs

SAFE Unit Portable Alert Unit



Specifications

-  **Power:** 120 VAC (Wall Plug)
5V DC, 1A
Backup: Lithium Battery
Standby: Up to 7 Days
-  **Audio:** 60 dB
Clear Loud Tone Alerts
Clear Loud Voice Alerts
-  **Display:** 4" Color
Touchscreen
480x480 Pixel
-  **Signal**
SAFE Network
WiFi (Optional)
Bluetooth (Optional)
-  **Languages:**
English
Other Languages (Optional)
ASL AI Video
-  **Mounting:**
Wall
Table
-  **Weight:** > 1 Lb
-  **Material:** Plastic
-  **Temp** 14 F to 122 F



Hardware configurations are subject to change without prior notice.

Network Design

Manual Activation

Cloud or Direct Connection to Gateway

SMART Alert Software



SAFE Certified Cloud, On-Premise, and/or Mobile Control Units

SAFE Network

SAFE Certified Sensor Data

Detection Sensors

- Wildfires
- Floods
- Lightning
- Thunderstorms
- Severe Winds
- Tornadoes
- Tsunami
- Earthquakes
- Gunshots
- and More...

SAFE Network
Up to 10
Miles

SAFE Certified Outdoor Sirens

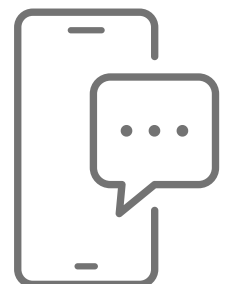
Portable SAFE Units

SAFE Network SAFE Mobile App



SAFE Network Private Communication

SAFE Units Private WiFi allows residents to send texts among their SAFE Circle of Friends and Family Members without Internet or Cellular Signal.
Optional Feature



Range of the SAE Network can be impacted by the terrain, weather, and manmade structures.



SAFE Network | Always Connected – Always On



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