

The below features and functionality of our robust product offerings demonstrate why Attenti provides the best product and best value to the Participating Entities.

Attenti Tracker 1 (AT1)

Designed for maximum flexibility and ease-of-use, the Attenti Tracker 1 (AT1) lets you focus more on your monitoring program and less on your equipment. *The benefits of the AT1 include multiple tracking technologies, LTE and Wi-Fi communication, Pursuit Mode, and the widest array of interference detection in the industry.* System updates and new features are released and installed wirelessly with no need for hardware upgrades.



The innovative technologies packed into it combine to provide precise, reliable tracking that interfaces with our popular EM Manager software.

Key Benefits

- *LTE and Wi-Fi Communication* – delivers the most reliable coverage nationwide
- *GPS, Wi-Fi, and Tower-Based Tracking* – ensures continuous tracking, even indoors
- *Mobile Hotspot Detection and Connectivity* – Can now connect to and utilize mobile hotspots
- *Pursuit Mode* – turns on real-time tracking
- *Onboard Processing* – furnishes immediate alert notifications
- *Two-Way Communication* – offers LED lights, vibration, and acknowledgment button
- *Data Backup* – stores more than 30 days' worth of data in nonvolatile memory
- *Interference Detection* – provides cutting edge technology with the widest array of interference detection in the industry
- *Waterproof* – resists water to a depth of 66 feet
- *Slim Profile* – weighs less than 6.5 ounces

LTE and Wi-Fi Communication

Utilizing Wi-Fi and LTE communication over the AT&T and Verizon networks, the AT1 offers the most reliable coverage nationwide. Despite offering cellular communication on the nation's largest and most widely used carriers, there are still areas and environments that simply do not have strong cellular coverage. Attenti was the first company to offer a Wi-Fi data communication solution.

Mobile Hotspot Detection and Connectivity

If adequate cellular service and Wi-Fi networks are unavailable, the AT1 will connect to and utilize mobile hotspots to transfer data.

Multiple Tracking Technologies = Accurate Location Points

Global Positioning System (GPS)

Within the GPS performance standard, Attenti maintains the highest degree of accuracy. Our devices are equipped with the latest GPS technology, including autonomous GPS, assisted GPS, and firmware that detects and filters out poor satellite signals.



Location Based Services

Attenti offers Location-Based Services (LBS) as a secondary means of tracking participants when a device is inside. If the GPS signals are poor or unavailable, the AT1 begins to track the participant using public Wi-Fi access points and cellular towers.

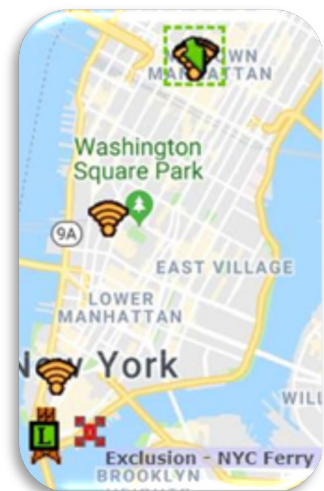
- **Wi-Fi Tracking.** By default, the device will attempt to acquire Wi-Fi access points first.
 - If at least three Wi-Fi points are in range, a location point will be stored and displayed on the map.
 - The most recent Wi-Fi location point will be surrounded by an orange circle. The radius of the circle indicates the approximate location of the participant.
 - The AT1 will continue to store and display Wi-Fi location points every 3 minutes.
- **Tower-Based Tracking (TBT).** If the device is unable to locate viable Wi-Fi access points after 2 minutes, TBT is initiated. TBT will store and display a location point with a cellular tower icon.
 - When TBT is active, the device will continue to scan for GPS and Wi-Fi access points.
 - TBT points are stored and displayed when there is a status change, including a new tower in range.

One Integrated Map

GPS, Wi-Fi, and TBT are integrated into one EM Manager map; there is no need to select one map for GPS points, another for Wi-Fi points, and a third for TBT points. The icons appear based on the type of location point collected.

In the example to the right, when Mr. Jones enters the southern Battery Park subway station in New York City, the AT1 goes into Location Based Tracking [L] and picks up a TBT point. Wi-Fi access points are available at the next three subway stations to triangulate position, and an arrow displays his GPS location and heading as he leaves the subway in midtown Manhattan.

Besides subway systems, this technology proves useful when tracking participants through shopping malls, office buildings, big box stores, and parking garages.



Real-Time Tracking

Download Points, On Demand

*Attenti actively monitors in near-real time, providing users with the capability to download GPS points and monitoring data on demand, without waiting for the device's next scheduled call. In response to the *Download Points* command, executed with the click of a button in our software, the system contacts the device, forcing an automatic download of GPS points with tracking and monitoring information.*



Pursuit Mode

Pursuit Mode enables the Attenti system to go into real-time tracking. When in Pursuit Mode, the device collects a GPS point every 15 seconds and calls in once every 30 seconds for a user-specified duration (5 minutes, 15 minutes, 30 minutes, or 60 minutes).



The map updates every 15 seconds with the last five GPS points, allowing officers to closely track participant locations during an active investigation. The Pursuit Mode Status and Last Refresh date and time are displayed below the map.

Onboard Processing

The AT1 stores all rules in memory. The device samples GPS every second and the computer processor compares that data instantaneously with the onboard rules. The AT1 quickly detects geographic noncompliance and automatically increases its point collection rate to 15 seconds, at the same time notifying the participant of the alert and calling our server to download both the alert information and the tracking data. By doing so, the device generates alerts for noncompliance faster than other devices.

Example

Device A does NOT have onboard processing. It is designed to call in once every 15 minutes. A participant enters an exclusion zone:

- *Device A* could take up to 14 minutes, 59 seconds, until its next scheduled call, to detect, record, and report the alert; the device does not go into alert or notify the participant until it calls in and the server processes its GPS position against the participant's rules and initiates the alert status. This delay could result in the notification being generated 15 minutes or more after the event, to both the participant and the agency.

The AT1 (*Device B*) WITH onboard processing is designed to call in once every hour, and automatically upon violation. A participant enters an exclusion zone:

- *Device B* automatically detects and records the alert, notifying the participant (if selected), increasing GPS point collection to every 15 seconds, and immediately initiating a call to report the alert to the agency.

The Benefit

Onboard processing is a valuable tool for encouraging the participant to modify their behavior. Without onboard processing capability, a device does not know it is in violation and does not notify the participant until it is able to contact the server and receive the information that it is noncompliant with the rules.

With onboard processing, the participant is aware that they are not in compliance earlier and can act to correct the situation. Additionally, the agency is notified of an alert much earlier when the GPS device has onboard processing.

Send Message and Message Acknowledgement

Direct communication occurs through the *Send MSG* option in EM Manager, which sends a command to the device that triggers a 10-second vibration. The alert is device specific; it can be defined for each participant according to the officer or the Agency's preference.

The participant must acknowledge the communication by pressing the button on the device. Notes that define the participant's required response to this communication can be entered into the software during the enrollment process or at any time afterward.



Automated Communication

The device is configurable for automated notification of pending alert status to the participant.

- **Power:** The device is always monitoring and reporting its battery status. When the LED flashes red, the vibration motor also sends notification to the participant with three short bursts. When the device is fully charged, the AT1 vibrates and the light turns off.
- **GPS:** The device continually monitors whether it has GPS. When the LED flashes red, the vibration motor also sends notification to the participant with three short bursts. When the alert clears the AT1 vibrates again and the light turns off.
- **Zone:** Finally, the device samples GPS every second, comparing its location with the zones stored onboard. In alert, the LED flashes red and the vibration motor sends notification to the participant with three short bursts. When the alert clears (behavior corrected), the AT1 vibrates and the light turns off.

Onboard Storage and Nonvolatile Memory

The AT1 stores more than 30 days' worth of data in nonvolatile flash memory in the event of an interruption of communication. Nonvolatile memory is computer memory that is stable and not prone to change; it persists even when not powered. The data storage is permanent; when communication is restored, the device automatically calls in to download its data.

Interference Detection

The AT1 offers cutting edge technology with the widest array of interference detection in the industry: cellular jamming, GPS jamming, device shielding, and a 9-axis motion detector. Participants may try to block the device, but the AT1 is designed to monitor and alert on any interference attempt.

Optional Beacon



Configured to work with the AT1, the Beacon is plugged into a standard AC power outlet at the residence and transmits a unique RF signal. The AT1 can distinguish the signal that it is paired with from any other.

The AT1 “listens” for the Beacon’s signal to be in range and reports the participant’s presence at home. These two state-of-the-art devices use RF technology in conjunction with cellular and Wi-Fi technology to allow for secure monitoring of participants.

Key Benefits

- *Home Curfew Monitoring* – improves location accuracy while allowing the participant to move freely indoors without signal loss or interruption
- *Adjustable Range* – allows for custom range settings between the Beacon and the AT1

Events and Alerts

All events and alerts recorded by the AT1 are date and time stamped and downloaded to our central computer system. The AT1 records and notifies on the following:

- | | |
|---------------------------|----------------------------|
| ▪ <i>Inclusion Zone</i> | ▪ <i>GPS Jamming</i> |
| ▪ <i>Exclusion Zone</i> | ▪ <i>Shielding</i> |
| ▪ <i>Strap Tamper</i> | ▪ <i>Motion No GPS</i> |
| ▪ <i>Device Tamper</i> | ▪ <i>Unable to Connect</i> |
| ▪ <i>Cellular Jamming</i> | ▪ <i>Battery</i> |

When used in conjunction with the Beacon, additional events and alerts include:

- | | |
|-----------------|--|
| ▪ <i>Home</i> | ▪ <i>Back-up battery</i> |
| ▪ <i>Away</i> | ▪ <i>Beacon A/C Power Disconnected</i> |
| ▪ <i>Curfew</i> | ▪ <i>Beacon Location Untrusted</i> |

Enhanced Strap Design

Attenti has patented a light-focusing technology that maximizes our ability to accurately detect strap tamperers:

- The strap contains an accurate fiber optic circuit through which a coded infrared signal is transmitted multiple times per second.
- An internal copper wire embedded in the strap aids in stretch resistance and reduces false tamperers.
- The strap, pin trays, and tamper plugs reveal tamper attempts.



Specifications

ONE-PIECE TRACKING DEVICE SYSTEM		
Attenti Tracker 1 (AT1)		
Model	AT&T: AT1 LTE A Verizon: AT1 LTE V	
Part Number	AT&T: 063450001 Verizon: 063450002	
Dimensions	3.72L x 1.82H x 3.30W inches	
Weight	< 6.5 ounces	
FCC ID	NC3-14024VL	
Battery Recharge Time	< 2 hours in normal use	
Battery Life	~ 40 hours	
Waterproof	To a depth of 66 feet	
Operating Temperature Range	-10° to +40° C	
Stored Temperature Range	-20° to +60° C	
Humidity Range	15% to 90%	
Nonvolatile Memory	> 30 days	
Communication Methods	Vibration, LED lights, button	
Beacon		
Model	SB1000	
Part Number	SB1000	
Dimensions	6.12L x 8.90H x 5.40W inches	
Weight	24.3 ounces	
FCC ID	NC3-TSSDB-830-5	
Backup Battery Life	> 20 hours	
Backup Battery Recharge	4 hours	
Shelf Life	> 5 years	
Operating Temperature Range	-25° to +55° C	
Stored Temperature Range	-25° to +55° C	
Humidity	93% at +40° C	