

LogiBoxx from EarthSearch

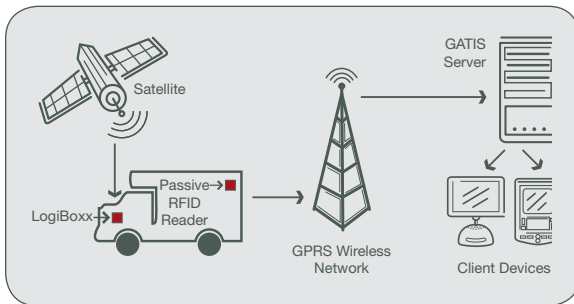
Continuous Visibility: In Real-Time, All The Time

A complete LogiBoxx Certified Solution begins with our Intelligent GPS device, the LogiBoxx, the world's first GPS unit able to communicate wirelessly with Passive RFID Readers and active tags. A single LogiBoxx can be vehicle mounted to monitor stuff on a truck. Alternatively, a set of LogiBoxxes can be mounted at various points in a warehouse, retail store, shipyard, assembly plant or any other facility to monitor the flow of your stuff as it enters or exits a facility.

The LogiBoxx features six customizable sensors which can be configured to monitor a wide variety of common activities, such as door sensors, trailer attach/detach, temperature levels, vehicle speeds, seatbelt usage, vibration/tampering and much more.



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While there are many ways to deploy and use a LogiBoxx, this diagram shows a typical use-case. A LogiBoxx installed in a vehicle, communicating wirelessly with an RFID reader in the back of the truck. LogiBoxx then communicates in real-time with the GATIS web-based software, while the truck's location is tracked via satellite.

- » LogiBoxx is the most effective solution for continuous visibility of assets in transit. In real-time, all of the time.
- » LogiBoxx communicates wirelessly with passive readers for item level asset monitoring in transit. In real-time, all of the time.
- » LogiBoxx provides unmatched security and status information about asset in transit. In real-time, all of the time.
- » LogiBoxx offers most critical asset and field-employee performance logistics information. In real-time, all of the time.
- » LogiBoxx can serve as a communication gateway for RFID readers located in remote locations. In real-time, all of the time.
- » LogiBoxx features intelligent decision making abilities when significant events such as theft, unauthorized access, manifest discrepancy or when asset destination violations occur.
- » LogiBoxx can communicate with backend servers or an ERP system to update inventory. In real-time, all of the time.

LogiBoxx: Intelligent GPS from EarthSearch	
IP Rating	P54 Rating (Water Resistant, Dust Resistant)
Composition	Aluminum Body, Polycarbonate Plastic Covers
CPU	Automotive 32bit ARM Cortex with Proprietary RTOS
Power Consumption	8V – 30V Active: 240mA (All Peripherals On) Sleep Mode: <10mA
GPS Modem	GPS Sirf Star III 16CH (Optional Extended Ephemeris aGPS for Fast Fix Interface) External Active GPS Antenna, Accuracy Within 5 Meters
GSM Modem	GSM/GPRS/EDGE Quad Band (GPRS: DNS/TCP/UDP/FTP) External Wired Antenna
SIM Slot	Dual SIM Slots (Independent, Primary & Secondary)
Accelerometer	3D Accelerometer (+/-6g)
Backup Battery	Built-In Backup Power Using Lithium Polymer Cells. Choice Between 1050mAH(basic)/1500mAH(extended)
Sensors	Multiple Input Sensors (Digital & Analog) & Output Drivers (Digital & PWM), Reed Switch for Attach/Detach to Magnetic Mount Detection
Serial Interface	Serial Interfaces (UART/RS232, USB-OTG): Passive RFID Readers, Mobile Display Terminals, User Diagnostic & Settings, Device Reprogramming
Additional Memory	MicroSD Access Historical Logging (Up to Second by Second Reading of Data for 365 Days)
L.E.D.	3 Visible LED Indicators - Red, Green and Blue
Wireless Communication	2.4GHz Digital RF Communication
I/Os	2 Analog Inputs, 5 Digital Inputs, 3 Digital Outputs
Dimensions	131mm (L) x 85mm (W-include mounting fins) 70mm (W-body) x 4.5mm (H)
Weight	240 Grams

LogiBoxx[™]
by EarthSearch

Getting Started

Contact us to learn more about EarthSearch, LogiBoxx and our ecosystem of LogiBoxx Certified Solutions.

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