PIMM™ *AirTag*®
Real-Time Temperature Monitoring

PIMM™ AirTag provides a **reliable, durable and cost effective** way to monitor temperature conditions in **real-time**.

Live temperature monitoring and critical alerting allows our customers to **lower costs, improve operational efficiency and ensure food safety compliance**.

FEATURES

iPIMM™ AirTag is real-time data recorder that collects, stores and transfers location, time, temperature and humidity data system every five (5) minutes for analysis directly to the iPIMM™ Supplier Delivery System (SuD) over a GPRS cellular network.

iPIMM™ SuD automatically analyzes each shipment based upon the retail customers' quality assurance thresholds and assigns a "Grade/Rating" to each shipment during transit. The shipment data and any associated temperature or late arrival alerts are then shared with all supply chain partners associated with that specific shipment on a real-time basis.

iPIMM™ AirTags are dramatically different than traditional temperature loggers because each AirTag shipment is registered at the supplier plant and is associated with a specific product, shipment, delivery location and retail customer.

For many of our customers, the PIMM™ AirTag offers a cost-effective way to manage high value; short shelf-life; and thermally volatile products using 3rd party carriers.

SPECIFICATIONS

Product Model	AirTag
Operating Temperature Range	-20°C ~ +60°C (-4°F ~ 140°F)
Temperature Measurement Accuracy	±0.3°C
GSM Antenna	Built-in
Humidity Measurement Accuracy	±3%
Humidity Measurement Range	0-100%
Power Comsumption	Active mode(avg.) < 100mA
	Sleep mode(avg.) < 2mA
GSM Chip	SIMCOM GSM chip, 4 Frequency GSM 850/ 900/1800/1900mHz
Size	80mm (H) x 64mm (W) x 25mm (T)
Indicators	Two LED indicators for Temperature and GSM

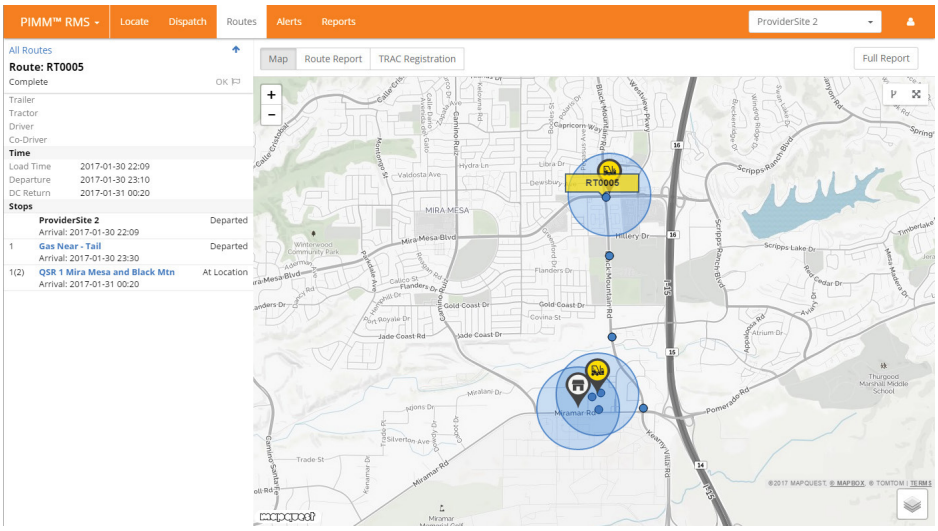
REAL-TIME TRACKING

iPIMM™ AirTag utilizes the same real-time management system that we use for our permanently installed Telematics offerings - PIMM™ RMS (Route Mgmt. System).

Instead of tracking the "Logger", PIMM™ allows you to track the quality of your "Shipment" while in transit. The AirTag simply passes the data to the PIMM™ SuD system so we can manage the shipment.

The PIMM™ UI allows the user to click on the "Shipment" record and automatically have access to both:

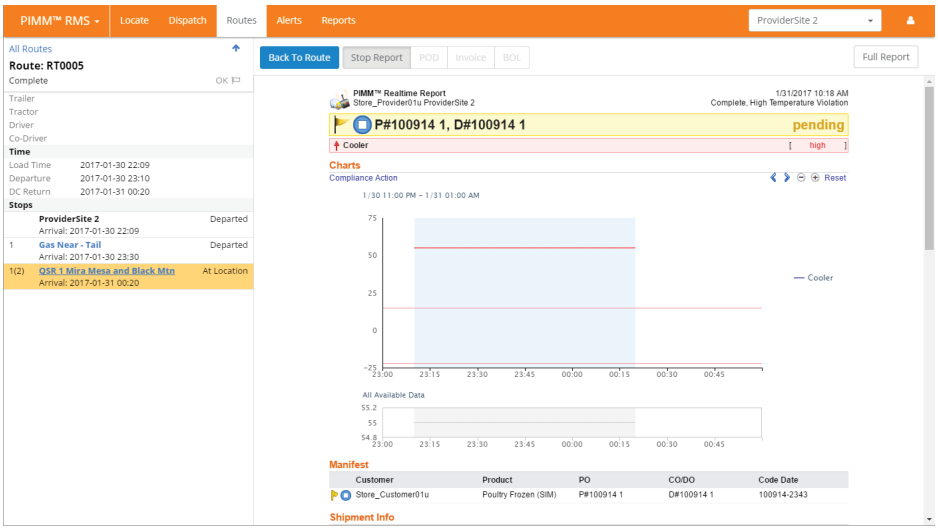
- PIMM™ RMS tracking system (Map View)
- PIMM™ SuD shipment quality (Temperature Chart View)



REAL-TIME SHIPMENT QUALITY

The PIMM™ AirTag collects high-precision temperature and humidity data and then transmits it to our server through GPRS.

The PIMM™ SuD processor then analyzes the data against customer specific thresholds and determines the shipment "Quality" or "Grade".

If thermal abuse is detected, the system automatically sends out alert notifications and associated corrective actions to the appropriate supply chain partners i.e. Driver, Shipper, Receiver and Retail Customer.

- Temperature Alerts
- Delayed Delivery Alerts
- Shipment Quality Alerts