

Fuel, GPS, & Radio



DATA DELIVERY

A Division of OEM Controls, Inc.



ST-900 CELLULAR SERVICE TRACKER

**Rugged, Remote
Equipment Tracking
To Fit Your Process,
Needs and Budget**

OEM Data Delivery, a leading developer of rugged electronic tools for managing worksites and high-end equipment, has introduced a versatile system for tracking equipment at remote locations. **The ST-900** generates the real-time information needed to maximize revenue and cut waste, including:

- Cumulative machine hours
- Fuel-based maintenance data
- Total fuel usage
- Location and jobsite
- Engine idle logs
- Engine work logs for utilization
- Maintenance alerts
- Cumulative machine miles
- User-specified logs:
 - PTO time
 - Auxiliary equipment
 - Travel logs
 - Other

It is one of the most powerful, and versatile tools available for precise job costing.

The ST-900 was engineered for severe service performance for construction, landfill, rental and other complex operations.

Implementation is quick and training typically requires just a few hours.

Other cost-saving features & benefits:

- Customize your fleet based on equipment type and cost using OEM Data Delivery's radio and RFID products.
- Our systems are compatible with all equipment brands & models and are scalable, so they grow with your business.
- Valuable tool for preventing the theft of fuel and equipment, and for allocating assets between multiple sites.
- Save time in document preparation, such as fuel tax refunds for off-highway use.

ST-900 is wireless, paperless and "hands-free."

- Reports are generated nightly and delivered via email and secure web reports.
- Information uploads into any major back office system and integrates seamlessly with accounting software.



The ST-900 is the only cellular device that is fully integrated with OEM Data Delivery's fuel management system to track, in real time, the dispensing of fuel and other consumables.

ST-900 CELLULAR SERVICE TRACKER

Technical Specifications

- **Casing** – Zinc IP67
- **Voltage** – 12 to 24V or 110V option
- **Memory** – 256K bytes of program memory; 15K bytes of RAM; 12K bytes of external EEPROM
- **Storage** –
 - 34 days history each for Idle/Work/Run logs in external non-volatile EEPROM
 - 7 day travel log
- **Real Time Clock** for time stamped data
- **7 Segment Display** for alarms display and communication diagnostics
- **Buttons** – 2 push buttons.
 - One used for calibrating ST-900 and Radio channel switch during Fuel mode.
 - Second push button – Service Alert, Diagnostic, User Configurable
- **Data Logs** – 2 optically isolated digital inputs, 4 standard digital inputs, idle/work/run logs, duration and count logs.
- **Travel Log** – GPS latitude, longitude, incremental time log and CMM.
- **Environmental**
 - Temperature -40°C +70°C
 - Weather resistant – IP65
- **Physical**
 - Dimensions: Height – 7.57” including antennas. Width 5.75”. Depth 2.17”
- **Warranty** – Standard 2 year warranty
- **GPS** – Serial connection
- **Cellular** – Dual Band, GPRS, AT&T



The ST-900 works with the **GoPOD** from OEM Data Delivery. This concealed computer installs in lube/fuel trucks, low boy trucks, and supervisors' vehicles for additional process data capture, including fuel, driver logs, and mechanic work logs. It has a GPS antenna, and a radio antenna. GPS coordinates are stamped into the record as hour data is collected. Information is collected passively, within a range of 300ft. line of sight, and transmitted via secure radio link.

- **Radio** – 802.15.4 physical layer
- **Vehicle/Telematics Integration** – CANopen, J1939, J1708 interface optional (there is no CAN hardware on the 9S12E256 processor, so any CAN interface for the ST-900 will be external to the ST-900, e.g. a CAN to RS232 interface.)
- **Harness** – Power, ground, ignition, 6 digital inputs, 2 digital outputs
- **Data Format** – Comma-Separated Value (CSV), Extensible Markup Language (XML), Open Database Connectivity (ODBC), and others.



OEM
DATA DELIVERY
A Division of OEM Controls, Inc.