

FuelLog2

Independent Fuel Management Systems



Technical Information

Hardware Components

Pump Control Unit

The Pump Control Unit is installed on each fuel pump, and independently controls each pump hose. It collects vehicle data from the Vehicle Identification Unit via the Hose Control Unit. Communication between the Pump Control Unit and the fuel management software takes place at the completion of each transaction.

Hose Control Unit

The Hose Control Unit is installed on each fuel nozzle detects the insertion of the fuel nozzle into vehicles equipped with the Vehicle Identification Unit. Removing the nozzle immediately terminates fuel flow.

Vehicle Identification Unit

The Vehicle Identification Unit is installed on each authorized vehicle. It consists of a built-in pre-programmed computer chip with a unique ID number, eliminating the need for a costly programming unit. The Hose Control Unit transmits the vehicle ID to the Pump Control Unit via RF communication before obtain authorization to dispense fuel.

Data Transmission

RF and GPRS Data Transmission

RF systems transmit data from the Pump Control Unit when in proximity to an RF reception antenna at each fueling station. GPRS systems upload data to the WorldFleetLog Web application, or any other pre-defined IP address.

Software Integration

Fuel Management Software

The WinFuel Management Software is a network savvy, Microsoft® Windows® based program with LAN and WAN capabilities. The program compiles the information gathered during refueling transactions via the RF antenna to generate a comprehensive range of reports.

WorldFleetLog

WorldFleetLog is an advanced Web-based application to display and manage data compiled from EDT's fleet and fuel management products.

Hardware Integration

FuelLog2 seamlessly integrates with EDT's FleetLog and SmartLog product lines to provide end-to-end fleet and fuel management solutions based on comprehensive vehicle, driver, mileage and fuel consumption data analysis and reports.



E-Drive Technology

Automotive Telematics, Fleet Management and Fuel Management Systems

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FuelLog2 products are independent fuel pump control systems to manage private fuel stations, and mobile tankers. Competitively priced, FuelLog2 gives fleet managers a variety of cost-effective fuel dispensing and tracking solutions.

FuelLog2 installation is straightforward, and does not require extensive excavations or infrastructure.



Rugged construction makes the FuelLog2 an ideal solution for fuel stations in the field.

Based on locally available vehicle and driver authentication, the FuelLog2 system controls refueling via GPRS, GSM, RF or LAN communications.

FuelLog2 systems offer two refueling scenarios based on the order of driver and vehicle identification. Available options include manually recording odometer, engine hour and project number. It is also possible to automatically record odometer and engine hour data using EDT's SmartMile device. Additional options include monitoring incoming fuel deliveries.

FuelLog2 easily integrates with additional EDT software and hardware fleet management products for a complete fleet management solution.



FuelLog2 Key Features

Overall Benefits

- Secure access to unattended fuel supplies
- Guarantee that fuel is dispensed only to authorized vehicles and drivers
- Automatically record and reconcile fuel consumption

Supported Input Devices

- Numeric keypad
- Magnetic card reader
- Dallas iButton
- RF Coil

Remote Access Features

- Update permission codes over-the-air for GPRS systems

Accessories

- Backup battery to maintain configuration and transaction data

Logged Data

- Tracks mileage and fuel consumption
- Records fuel type, pump number, description and much more
- Supports thousands of permission codes
- Multi-download options include GPRS, GSM, LAN, or RF
- System supports vehicle and driver identification

Hardware Features

- Rugged and durable construction
- Easy to use, install and expand

Seamless Software Integration

- Integrates with EDT's Smart Mile software to provide customer ID, vehicle ID, operating time counter, odometer, fuel ID tag, battery voltage indication and date
- Locally installed WinFuel Management Software provides a complete fuel management package
- Supported by WorldFleetLog, EDT's Web-based application to display and manage data compiled from EDT's fleet and fuel management products