



WebTech Wireless

# PERIPHERAL ACCESSORIES

Complete GPS vehicle tracking and telematics solutions

# No outfit is complete without the right accessories

Knowing the exact location of your vehicles is fundamental in fleet management. Monitoring the status and condition of your mobile assets puts you one step ahead of competition and increases your return on investment.

WebTech Wireless™ offers an array of peripheral accessories to provide you with a flexible and scalable location-based services and telematics solution that readily adapts to your unique business needs.

## COMPREHENSIVE VEHICLE DIAGNOSTICS

- Reduce fuel costs and tire and brake wear
- Lower vehicle downtime with scheduled preventative maintenance

## COMPLETE TRACTOR-TRAILER OPTIONS

- Locate and monitor your trailers
- Increase customer satisfaction while improving utilization of mobile assets

## REAL-TIME COMMUNICATIONS AND RELIABLE SUPPORT FOR DEVICE OPTIONS

- Increase driver safety and security
- Communicate in real-time with dispatch operations



## VEHICLE DIAGNOSTICS

Drive with more confidence on the road with real-time vehicle diagnostics

When critical events occur, such as maintenance alerts or excessive idle times, notifications are sent to Quadrant™, the complete Internet-based tracking and reporting software. With real-time information on vehicle location and status, fleet managers are prepared to respond quickly to any issues before they become major repair bills.

**On Board Diagnostics Generation II (OBDII) Gateway**  
Solution of choice for light-duty trucks and cars



The WebTech Wireless OBDII Gateway connects to any WebTech Locator™ Series serial port, and is preprogrammed to monitor the most common vehicle parameters, such as Engine Speed, Instantaneous Fuel Rate and Emissions Control Systems Monitor, to retrieve critical engine information.

### Features

- Access standardized OBDII performance reports
  - Distance Driven
  - Fuel Economy
  - Excess RPM
- Indicators and alerts with pre-defined vehicle parameters including:
  - Emissions test ready status
  - Powertrain diagnostics trouble codes (DTCs)
  - Calculated instantaneous fuel rate
- Highly-configurable parameters and reports
- Rugged hardware
- Upgrades over-the-air

### Benefits

- Reduce costs by monitoring driving behavior
- Increase safety by identifying aggressive driving patterns
- Meet industry regulatory requirements with fleet emissions testing readiness
- Reduce repair/maintenance costs with real-time functionality warnings
- Prevent vehicle downtime and optimize fleet utilization
- Improve fuel usage with fuel rate monitoring

## J1708 Engine Interface

Solution of choice for heavy-duty trucks

The WebTech Wireless J1708 Engine Interface is built into some of the WebTech Locator Series models to monitor specific metrics, fault codes and determine hard acceleration/deceleration and emergency stops to help analyze driver habits and safety.

### Features

- Captures performance metrics including:
  - Distance traveled and odometer reading
  - Fuel consumption
  - Hard brake occurrences
  - Moving time and RPM
  - Excess speed and over idle
- Configure date/time parameters or a scheduled basis to run the Performance Report

### Benefits

- Reduce operational costs, such as fuel usage, by assuring the vehicles are running in optimal operating conditions
- Proactively identify and address vehicle malfunctions
- Lower maintenance costs by having access to vehicle diagnostic information
- Reduce accidents and improve driver safety by identifying erratic driving behavior

## TRACTOR-TRAILER OPTIONS

Improve the way your fleet managers track assets, make decisions and manage fleets

Knowing where your trailers are and if they are connected increases your asset utilization. The ability to monitor high-value cargo and temperature-sensitive loads tightens your security and eliminates unnecessary cargo losses.

## Tractor-Trailer PLC ID System



The WebTech Wireless Tractor-Trailer Power Line Carrier Identification System (PLC ID) empowers fleet managers to positively identify tractor and trailer pairing for efficient fleet management, asset utilization, control and awareness.

The Tractor-Trailer PLC ID is an add-on module to the WebTech Locator Series and is comprised of two devices, the PLC ID Reader installed with the WebTech Locator, and the PLC ID Tag installed on the asset of interest.

### Features

- Precise historic and real-time asset status and utilization
- Trailer use and idle time statistics
- Report tractor/trailer associations, on/off hook times, location and mileage
- Mileage reporting for maintenance tracking
- Multi-PLC ID Tag support for trailer trains

### Benefits

- Reduce incorrect tractor/trailer pickups
- Easily identify under-utilized assets and improve fleet utilization
- Reduce losses and optimize fleet use with real-time location of misplaced/lost trailers
- Improve fleet maintenance through predictive and preventative maintenance schedules



## Temperature Monitoring Kit



Connected to the WebTech Locator Series, the WebTech Wireless Temperature Monitoring Kit relays accurate temperature history and reading reports to Quadrant, and dispatchers can inform their customers in real-time the status of their shipments. The system supports all Thermo King truck and trailer refrigeration units.

### Features

- Support up to three temperature sensors
- Temperature reporting capabilities include:
  - Configurable timed reporting intervals
  - Customize indicators for min/max thresholds
  - On-demand status reports
- Automatic alerts based on telemetry readings, such as door open/close
- Rugged and waterproof casing

### Benefits

- Continuous multi-zone monitoring
- Meet industry regulatory requirements
- Optimize temperature control and fuel usage
- Reduce costs by preventing trailer cargo loss and spoilage
- Assess problems in real-time and improve response times

## COMMUNICATIONS & SUPPORT FOR DEVICE OPTIONS

Improve access to information, increase security and reduce network and operating costs

WebTech Wireless' extensive product suite covers a full range of wireless data communications including GSM/GPRS/EDGE, WLAN, Wi-Fi and Satellite. With a wide range of network communication options, Mobile Data Terminal (MDT) devices equipped with optional Panic Buttons and Bar Code Scanners, your drivers can communicate in real-time with dispatch operations.

## WT1900 Satellite Modem



Coupled with the WebTech Locator Series, the WT1900 Modem supports single-mode (satellite only) or dual-mode (cellular-satellite) solutions to ensure mobile workers operate with uninterrupted signals, even when their vehicles are out of cellular coverage area.

### Features

- Built on a robust and cost-effective Iridium™ SBD9601 transceiver for accurate and consistent data transfer
- Global operating capability with Iridium's 66 satellite system prevents disruption when a vehicle moves out of cellular coverage
- Easy installation and configuration

### Benefits

- Uninterrupted reporting of vehicle location and status
- Improve personnel location and safety status monitoring
- Enhance security of hazardous goods shipments
- Reduce operating costs with least cost routing between satellite and cellular

## WT1700 Bluetooth Adapter



The WT1700 Bluetooth Adapter provides mobile workers with real-time access to back-office applications through readily available Bluetooth-enabled handheld devices.

The Bluetooth® accessories adapter connects to an available serial port on the WebTech Locator Series and uses either the SPP serial port profile or the Dial-Up Networking (DUN) profile to access the Internet and to dial-up other services over Bluetooth technology.

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### MDT2000e and MDT2000CE



The WebTech Wireless MDT2000e and MDT2000CE, a windows CE operating system, provide mobile workers with two-way voice and data communication, and the ability to complete electronic forms and driver log information in real-time.

#### Features

- Custom digital forms, including pre- and post-trip inspection, loading, delivery and equipment check forms
- Drivers on Time (DOT) Driver Log compliant with all the rules, regulations, and part associated with the USA and Canadian Hours of Service (HOS) regulations
- Configure the WebTech Locator Series to disable the vehicle starter if driver authentication is not verified

#### Benefits

- Real-time communication between mobile workers and dispatch operations provide:
  - Dispatch assistance
  - Delivery confirmation
  - Order information
  - Routing/re-routing directions
  - Status and schedule changes
  - Faster response to customer emergencies
- Minimize error-prone manual paperwork entry with electronic digital forms
- Save time and reduce operating expenses with automated drive log processing and HOS compliance
- Increase security of mobile assets by enabling drivers to log into their vehicles by:
  - Entering a username and password on the MDT
  - Pressing a key fob to an iButton on the MDT
  - Swiping a card through a magnetic card reader connected directly to the MDT

### Driver ID Kit



For vehicles not equipped with an MDT, driver authentication can be verified with a WebTech Wireless Driver ID Kit that connects directly to an available serial port on the WebTech Locator Series. The Driver ID Kit includes an iButton key fob.

### Panic Buttons



Increase safety of your mobile workers with the WebTech Wireless Panic Buttons. Panic Buttons are connected to the WebTech Locator Series with telemetry, and automatically alert dispatch personnel when mobile workers are in a threatened environment.

Drivers can also send alerts from outside the vehicle using a key fob. When the panic button is activated, the vehicle horn may also be activated, providing additional local visibility.

### Hands-free Voice Kit



Drivers can leverage the ease-of-use and convenience of voice communications through the Hands-free Voice Kit, an optional accessory installed with the MDT device.

### Bar Code Scanners



Bar Code Scanners enable drivers to efficiently and accurately input data directly into a MDT electronic form. A range of bar code scanner models are available.



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