



OmniTRACS®

Mobile Communications Solution



Dynamic information for efficiency, revenue, and security

Managing Transportation Fleets and Construction Equipment

For trucking and construction equipment fleets, the OmniTRACS solution offers a powerful set of communication and position-tracking features that can help reduce operating costs, and enhance productivity and security. The OmniTRACS solution goes beyond merely promoting efficiency and provides the tools needed for a proactive approach to fleet and service/delivery vehicle management. Fleet data, for example, can help enable customers to identify routes that yield a greater revenue stream. This is important for trucking because one of the keys to profitability is billable miles.

For service and delivery vehicles, the OmniTRACS solution helps increase the productivity of support teams by streamlining their communications, tracking, and dispatch.

The OmniTRACS solution also helps increase the security and safety of vehicles and their operators. Tamper-alert systems, panic alarms, and satellite-tracking capabilities help minimize the risk of loss due to tampering and theft, and help facilitate quick recovery by providing timely location information for law-enforcement agencies.

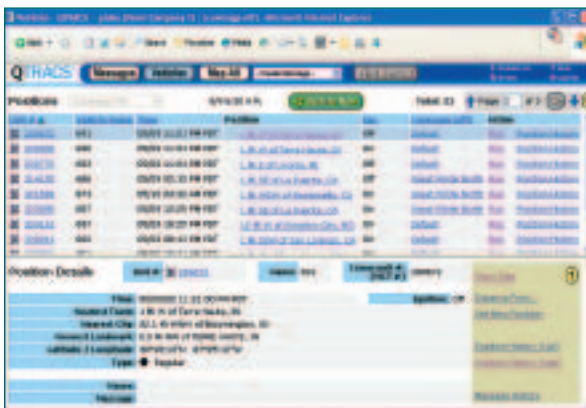


Standard Features

- ▶ Automatic satellite vehicle positioning
 - ▶ Two-way text and data communications
 - ▶ QTRACS® fleet management solution to display data from OmniTRACS solution
 - ▶ Customizable reports
 - ▶ AS/400 server, Windows® server, or Web-hosted operation
 - ▶ Reliable message delivery
 - ▶ QUALCOMM Network Operations Centers (NOCs)
- ▶ QUALCOMM Professional Services support seamless data integration with:
 - Back-office applications
 - SensorTRACS® performance monitoring solution
 - JTRACS Pro® vehicle monitoring solution
 - TrailerTRACS® asset management solution
 - T2™ Untethered TrailerTRACS® asset management solution



Scalable Mapping Maps enable users to zoom in on mobile unit locations and landmarks. Mobile units can be color coded to distinguish groups or current status.



Two-Way Messaging QTRACS fleet management solution displays the time and date of messages, and supports return-receipt confirmation. Messages can be freeform or pre-formatted for users to fill in the blanks.

Strategic Management and Reduced Costs

The OmniTRACS solution opens a new world of strategic fleet and equipment management. The Automated Arrival and Departure (AA&D) feature records vehicle arrival and departure times without driver intervention. This enables dispatchers to monitor driver performance, bill accurately, and verify and inform customers of detention events or any other unforeseen delays. Armed with this data, carriers can negotiate better fee arrangements and charge customers who are responsible for excessive delays.

Creating customized reports with the OmniTRACS solution makes it easier to keep track of key information. For example, by evaluating data accumulated over time, transportation fleet managers can identify which customers and which routes yield the most billable miles. Using this information, carriers can select routes that consistently earn maximum revenues.

The OmniTRACS solution can also help improve customer satisfaction by providing accurate status and location updates during a trip, which allows dispatchers to notify customers about unexpected delays. It helps fleet managers identify drivers that make unplanned stops, accrue excessive idle time, or accumulate out-of-route mileage as well as providing detailed information on fuel consumption. The dynamic management of carrier fleets and equipment is made possible by providing dispatchers the ability to easily recall vehicles in transit if a load or equipment rental is cancelled. Drivers can also be quickly diverted to pick up extra freight or equipment, or make additional service calls, creating an opportunity to earn new revenues without investing in additional resources.

OmniTRACS Solution Options

- ▶ Additional connectivity to third-party devices and peripherals using OmniExpander™
- ▶ Driver authentication
- ▶ Wireless panic button

- ▶ Driver and vehicle performance monitoring
- ▶ Trailer/vehicle monitoring
- ▶ Tamper-detection alerts
- ▶ Automated Arrival and Departure
- ▶ Remote vehicle disablement

Eye-in-the-Sky Positioning and Security

The OmniTRACS solution incorporates one of two available satellite-positioning technologies—the standard QUALCOMM Automatic Satellite Position Reporting (QASPR) system and the optional Global Positioning System (GPS)—to provide the most comprehensive satellite tracking solution available. Together they support tamper alerts as well as vehicle tracking functions that enhance the security and safety of mobile resources and their operators. When vehicles or trailers are moved beyond a pre-defined area, tamper-detection alerts help give law-enforcement agencies a jump on would-be thieves. Panic buttons allow drivers to send out urgent calls for help during an emergency—a factor that may contribute to retaining qualified drivers. In addition, a user-authentication system helps prevent unauthorized vehicle or communication-system operation. For construction equipment fleets, satellite-location information lets managers know where service and delivery vehicles are located—enabling more efficient dispatch of service technicians.

Maximum Installation Flexibility

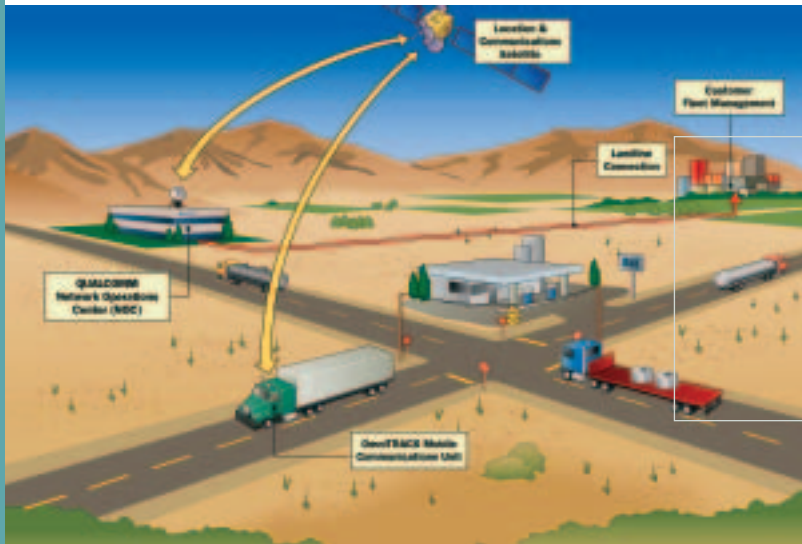
The OmniTRACS solution operates equally well as a server-based or Web-based system. For companies that prefer server-based operation, the OmniTRACS solution installs on the AS/400 or on Windows servers to integrate data with back-office applications. Alternatively, a Web-based system supports access to the same applications through a standard browser—featuring a simplified setup, multiple-user access, and macro-editing.

Integration with Third-Party Devices and Back-Office Systems

The OmniTRACS solution comes equipped with the QTRACS fleet management solution, which displays all field data, automates business processes, and integrates easily with a variety of productivity-enhancing technologies. Inside the vehicle, the OmniTRACS solution supports selected third-party scanners and signature-capture devices to help sidestep the errors and delays of paper-based systems. For connectivity with up to three additional peripherals or certain third party devices, the optional OmniExpander provides the solution.

The OmniTRACS solution can also share data with certified third-party dispatch and routing software as well as QUALCOMM's security and performance-improvement products—the SensorTRACS solution, the JTRACS Pro solution, the TrailerTRACS solution, and the T2 Untethered TrailerTRACS solution. Additionally, the OmniTRACS solution integrates seamlessly with payroll, accounts-receivable, and other back-office systems to keep your business running smoothly.





System Overview On-board the vehicle, the OmniTRACS solution sends and receives data from the satellite. The satellite relays information to and from the QUALCOMM Network Operations Centers (NOCs), which communicates with the customer's fleet management center.

OmniTRACS Solution Hardware Specifications

Antenna Communications Unit (ACU)

External Dimensions	11.5"w x 6.75"h
Weight	11 lb

Display Unit

External Dimensions	12.5"w x 9.3"h x 2.2"d
Weight	3 lb
Miscellaneous	Text and graphical display capabilities; 15-line by 40-character screen; single-piece membrane spill-proof keyboard; backlit keys

Experience, Resources, and Support

For over fifteen years, QUALCOMM has created ground-breaking wireless data solutions for the transportation industry, with over 500,000 mobile units shipped worldwide. Partnering with leading dispatch software providers assures that our solutions are fully compatible with many system environments. Behind the scenes, our world-class Network Operations Centers (NOCs) provide superior service and support, whenever it is needed. Our customers consist of over 2,000 fleets within the NAFTA region, including 34 of the top 40 truckload fleets, 6 of the top 7 tank truck fleets, and all of the commercial munitions carriers hauling for the Department of Defense in the continental US. QUALCOMM offers the unmatched financial stability, resources, and experience to help you maximize the benefits of your mobile solution.

For more information

Visit www.qualcomm.com/qwbs or call us at 1-800-348-7227.



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