TerminalManager v5.1

TerminalManager is a total order-to-cash solution that helps achieve efficient, accurate, safe, and secure materials deliveries for both manned and unmanned terminal operations. TerminalManager is specifically designed as a single-point solution that manages your customer contracts and allocations, orders, and physical and book inventory. TerminalManager can include any incurred charges with invoice pricing. TerminalManager provides terminal operators with a complete overview of the terminal, enabling them to monitor all activities within a terminal and address all commercial needs.

Features
- Provides customer portal
- Supports customer contract and allocation management
- Supports measurement and inventory management
- Supports order management
- Provides comprehensive reporting
- Supports billing and charges
- Supports pricing and invoicing

Operational Features
- Supports planning and scheduling
- Adjusts to the demands of the terminal
- Avoids traffic congestion inside terminal
- Provides on-site preparation and security
- Ensures terminal security by providing secured driver access.
- Supports co-mingled stock
- Supports pre- and post-loading and unloading
- Supports gantry automation.
- Maintains accurate blend percentages regardless of interruptions.
- Supports Enterprise Resource Planning (ERP) connectivity demands of the terminal.
- Enables efficient traffic management through automatic assignment of bay queue upon arrival.
- Supports Flow-Cal, Inc. .tfx file export
Commercial Operations

Customer Portal
Enables customers to view their inventory and movements at all times, and provides real-time management of their stock and allocation.

Customer Allocation Management
Documents material allocations in accordance to customer requirements and supports allocations on a daily, weekly, monthly, or annual availability of stock.

Order Management
Allows you to create orders or download them from your ERP system. Orders can have multiple lines dedicated to each compartment. In addition, materials can be split across multiple compartments with full traceability. As needed, the module reports order states to the ERP system to support your business rules. The module’s master data helps a planner choose the best gantry for the movement. Orders can be scheduled and bays are automatically assigned to maximize asset usage. The module alerts the planner of any resource overlaps.

Measurement and Inventory Management
- Verifies customer stock in tank against customer contracts and allocations before authorizing any movement.
- Accurately manages material movement in and out of a tank.
- Automatically reconciles book stock against physical stock and permits re-branding and re-grading of in-tank material.
- Retains meter proving and meter factors for references and correction.
- Records bulk movements.

Reporting
- Provides real-time delivery of reports and bills of lading to your third-party customers through email scheduling in your preferred data format.

- Provides historical transactional data that is readily available for future review and reprint.

Billing and Charges
Creates and documents configurable charges, and, in accordance with customer agreement, bills charges and documents customer services provided at the terminal.

Pricing and Invoicing
Allows you to set prices of materials for accurate invoicing, which may include billing charges.

Terminal Operations

Planning and Scheduling
TerminalManager ensures using your terminal assets efficiently. Planners can book daily time slots and schedule trips in advance. With the scheduling interface, planners can easily reconcile schedule disruptions to ensure drivers are not sitting idly when a gantry is available. Keeping count of number of trucks inside the terminal automatically controls truck traffic. TerminalManager can automatically assign trucks to appropriate bay queues, which eliminates guessing by truck drivers and maximizes the use of assets.

On-site Preparations and Security
Security is an absolute necessity for terminals, which often can run unmanned to enable 24/7 operation. To tightly control access to the physical facility and to the materials that are being moved, TerminalManager employs driver and truck identifications, including card, biometric, and RFID access controls.

Co-mingled stock
Tank stock can have multiple owners and is known as co-mingled stock. This means stock in a tank is shared among different owners and is managed and accounted for within the system.
Pre- and Post-Loading and Unloading

The module time-stamps and archives all trip events, which can then be used to audit truck trip performance to measure and compare against expected standards. The module records all events and alarms for auditing. To assist in asset utilization and process optimization, TerminalManager provides access to complete trip events, transactions, and performances.

Gantry Automation

TerminalManager can verify and validate material movement during loading and unloading. Once a material is stored in a compartment, keeping track of the contents before authorizing the next load is critical. This avoids mixing different material types and consequently contaminating a compartment. TerminalManager prevents losses caused by blends being out of specifications, resulting in dumping of loads in slop tanks. TerminalManager accurately manages each load to meet the exact blend percentages every time.

The module’s audit trail function records transactional data, ensuring the quality of material, and can automatically generate a Bill of Lading, reducing the amount of wait time before departure.

Streamlined ERP Connectivity

Enables you to include additional data fields to support any ERP transactional data compatibility.

Benefits

Automate Administrative Functions

By automating data collection and physical operation activities to support accounting, billing, and reconciliation, you can free your personnel to participate in more high-value functions. This ensures data and billing accuracy while enabling your personnel to be more productive.
## TerminalManager v5.1 System Requirements

### Software Operating Environment

TerminalManager requires the installation of the following software:

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Microsoft® Windows® Server 2012 Standard Edition (R2) (64-bit)</th>
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<tbody>
<tr>
<td></td>
<td>Windows Server 2016 Standard Edition</td>
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<tr>
<td></td>
<td>Microsoft .NET Framework 3.5 (with SP1)</td>
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<tr>
<td></td>
<td>Microsoft .NET Framework 4.5.1</td>
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<tr>
<td></td>
<td>Microsoft Internet Information Server IIS7/IIS8/IIS10</td>
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<tr>
<td></td>
<td>Microsoft Windows Communication Foundation (WCF) Web HTTP</td>
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<tr>
<td></td>
<td>Microsoft SQL Server 2012 Standard Edition, SP2 (64-bit) or</td>
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<td></td>
<td>Microsoft SQL Server 2016 Standard Edition 6</td>
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<tr>
<td></td>
<td>Microsoft Report Viewer 2008 SP1 Redistributable (to generate SSRS reports)</td>
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</tbody>
</table>

This is not a complete listing. Refer to the *Emerson TerminalManager Installation Guide* (part D301809X012) for a complete description of the hardware and core and supporting software required to successfully install this product.
For customer service and technical support, visit www.EmersonProcess.com/Remote/Support.

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