

# T-POS Wet Stock Package Showcase

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## Overview

T-POS Wet Stock Package is designed for stand-alone sites that only sell fuel, offering easy management of your forecourt daily basis operations. T-POS Wet Stock Package includes:

- » Pump Authorisation
- » Price Management
- » Fuel Delivery and Reconciliation
- » Fuel Discounts
- » Daily Sales Operation and Reporting.
- » POS Day & Shift Management
- » Pre-Pay Sales
- » User Management
- » Reporting
- » File Transfers
- » Advertising

## Pump Authorisation

T-POS can accommodate and control up to 32 pumps on a single site. Intuitive design with colour coded pump display allows users to easily differentiate various pump status'. Operators can simply authorise pumps using the touch screen display. An audible alarm ensures the Operator is made aware when a customer is attempting to dispense fuel.

## Price Management

The Wet Stock license provides site operators with the ability to change fuel grade prices as required from the T-POS terminal. Price changes have an immediate effect on both dispensers and digital price signs.

**Note:** Contact TT Fuel for a list of supported digital price signs and the required hardware.

## Fuel Delivery and Reconciliation

T-POS supports most industry standard Automatic Tank Gauging (ATG) solutions for real-time fuel measurement. T-POS also supports Theoretical Tank Gauging (TTG). Theoretical Tank Gauging is dependent on the operator accurately inputting received fuel at the time of delivery. Operators can also enter manual dip readings into T-POS to improve accuracy.

T-POS provides a range of reports on fuel inventory:

- » Hose Meter Totals
- » Dispenser Transaction Journal
- » Dispenser Reconciliation
- » Tank Reconciliation
- » Tank Delivery
- » Tank Inventory Levels (with graphical representation)

**Note:** Contact TT Fuel for a list of supported ATG systems and the required hardware.



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## Fuel Discounts

T-POS Wet Stock Package includes the following fuel discount types:

- » Percentage: Discounting the product by a percentage off the total (e.g. 5% off the total amount).
- » Fixed Amount: Discounting the product by a fixed amount per litre (e.g. \$0.05 off per litre).
- » Quantity: Applying the discount on the purchased volume (e.g. \$5 off , if \$100 worth of fuel is purchased).

**Note:** Percentage and Fixed Amount discounts also factor in Min and Max limits for the purchased fuel before being applied.

Membership Schemes are also supported, aiding site owners to foster customer loyalty and create personalised discounts on Wet Stock products.

**Note:** Membership Schemes require the purchase of a TT Fuel Indoor Account Payment Terminal.

## Daily Sales Operations and Reporting

In order to manage daily sales, T-POS supports Day and Shift operations. At the end of each Shift or POS Day, T-POS provides the operator with a Shift/Day Summary Report that includes the following elements:

- » Cash Summary
- » Payments Summary
- » Non-payment Sales Summary
- » Product Category Sales Totals
- » Excessive Fuel Reconciliation Variances
- » Top 10 Product Sales
- » Stock Adjustments

**Note:** These reports can be printed or saved for later use.

The system also provides the following sales reports:

- » **Sales Journal:** Provides a summary of all individual sales, including a total sales amount within a selected POS Day, Shift or time frame.
- » **POS Summary:** Provides a summary of the daily sales operations within a selected POS Day, Shift or time frame.

## Pre-Pay Sales

T-POS provides you with the ability to use pre-pay. This is a feature commonly used to prevent drive-offs by accepting the customer's payment upfront before dispensing the fuel.

Typically, customers dispense the full amount they have paid for using pre-pay, however if the refuelling is incomplete, the Operator can refund the customer the outstanding balance. This procedure is called a Prepay Refund.

## User Management

T-POS incorporates two levels of authentication: The Administrator (usually the site owner /manager, having full privileges) and the Operator (standard user with less privileges). The Administrator has the authority to define the Operator privileges. For example, an Administrator can choose whether a particular Operator is able to perform safe deposits, that is taking money out of the cash drawer for transfer to a safety deposit box.

## Reporting

T-POS offers a comprehensive reporting system, capable of rendering accurate sales data, filtered by time-interval criteria:

**Dispenser Transaction Journal:** simply lists details of dispenser transactions.

**Sales Journal:** Lists sales totals and payment details, without including the individual sales items constituting the sale.

**POS Summary:** Displays key aspects of the POS operating Day and/or Shift, including payment totals, stock adjustments, cash variances and top 10 sales by quantity. The report is automatically displayed at the end of any Shift or POS Day and may be printed via the receipt printer so that it can be added to the cash drawer for potential downstream reconciliation purposes.

**Dispenser Reconciliation:** Highlights variances of each hose and can be used to identify dispensers being used in stand-alone mode, which is a common cause of fraud.

**Tank Reconciliation:** Used to highlight variances between expected and actual tank inventory. Losses may occur due to leaks or theft but variations can be also attributed to changes in temperature.

**Tank Delivery:** Lists the deliveries or drops into the tanks, either ATG measured or using the theoretical gauging.

Note: It is worth mentioning that all transactional data can be exported as a .csv formatted file, that can be easily modified and used with your accounting solution.

## File Transfers

All file transfers (imports and exports) are done via a USB drive on the T-POS Terminal.

Data that can be imported into T-POS:

- » Create Bulk Discounts (using spreadsheet)
- » Perform Software Updates
- » Media Content Import (advertising on customers display)

Data that can be exported from T-POS:

- » Existing Stock List (exported to a spreadsheet)
- » All reports (exported to a spreadsheet)
- » Database Backups (exported as a .bak file)
- » T-POS Application Logs (exported as a .log file)

## Advertising

T-POS incorporates a dedicated customer display for transactional information and advertising:

- » Transactional information: Displaying all the purchased items and the totals.
- » Media advertising: Displaying both rolling images as well as video content.

Advertising content is managed by the site owner / administrator through the T-POS user interface.

## Specifications

Specifications for all components that form the T-POS Wet Stock Package.

### T-POS Terminal

- » 15.6" full HD capacitive display with multi-touch capability.
- » 11.6" customer facing display to show transactions and advertising.
- » Tilting adjustment for both displays.
- » Large SSD storage capacity to accommodate transactions and inventory.
- » Simplified OS for your POS specific activities.
- » Ethernet and wireless connectivity to the Internet.
- » Built-in remote support application for peace of mind.



Wet Stock Management	
20 fuel grades; 32 single and multi-grade dispensers; 20 tanks.	
Hardware	
Hardware, OS, Networking : Intel® Celeron J1900 Quad-Core CPU (1.6GHz), 2GB RAM, 32GB SSD, Linux Debian 9 OS, Ethernet: Realtek RTL8101, Wi-Fi: Intel® Dual Band Wireless-AC 3160 802.11b/g/n. Power Supply: 12V/5A.	
Display and Touch Capabilities : Operator: Capacitive Touch Screen 15.6" LCD, LED Backlight, 1920 x 1080; Customer: 11.6" LCD, LED Backlight, 1366 x 768.	
Display Ports: 1 x HDMI + 1 x DB-15 (VGA), 2 x USB2.0 + 2 x USB3.0, 1 x RS232 serial, 1 x RJ45 Ethernet, 1 x Line-out + 1 x Line-in, 1 x 2W speaker.	
Physical Environment	
Temperature	-5°C to 45°C (operating), -25°C to 65°C (storage)
Dimensions	227mm (W) x 397mm (L) x 351mm (H); 325mm (W) x 523mm (L) x 480mm (H) - including packaging
Weight	4.0Kg (Net), 6.2Kg (including packaging)
Certification	OIML R117 under NMI Certificate of Approval S422

### FC6000-T Forecourt Controller

- » National Measurement Institute approval number S422.
- » Controls up to 32 pumps, using a variety of pump protocols.
- » Integrates with TT Fuel's TT8800 Outdoor Payment Terminal.
- » Can be used with Automatic Tank Gauging systems for complete site reconciliation.



Power	230VAC (nominal) 10W (max)
Temperature	-5°C to 45°C (operating), -25°C to 65°C (storage)
Dimensions	332mm (W) x 350mm (L) x 85mm (H)
Weight	4.2Kg (9.25 lbs)
Certification	OIML R117 under NMI Certificate of Approval S422
Ports	1 x DB9 male (RS232 serial to cellular router) 1 x DB9 male (RS232 serial to ATG console) 1 x 12-pin screw terminal (T-POS serial & forecourt pump network) 1 x 3-pin mains input socket (IEC 60320 C14)
Supported Forecourt Pump Network Protocols	TT Fuel / Gilbarco/ Dover / Gallagher / Compac / Sanki pump protocols.
Supported Automatic Tank Gauge Protocols	TT Fuel, GVR, OPW, Franklin, Windbell, OKet, Vega.

## Receipt Printer

- » Quality printing.
- » Easy to use and maintain.
- » Robust features aiding POS operations.
- » Power saving mode for idle operation.
- » Fully integrated with T-POS, no configuration required.



Print Method	Thermal Line Printing
Character Size (mm)	0.99 (W) × 2.4 (H) / 1.41 (W) × 3.39 (H)
Character set	95 Alphanumeric, 16 set International, 128 × 43 Graphic. Bar code: UPC-A, UPC-E, JAN8(EAN), JAN13(EAN), CODE39, CODE93, CODE128, ITF, CODABAR, GS1-128, GS1 DataBar. Two-dimensional code: PDF417, QRCode, MaxiCode, 2D GS1 DataBar, Composite Symbology
Print Speed	Max 300 mm/sec
Paper Roll Dimension (mm)	79.5 ± 0.5 (W) × dia. 83.0 / 57.5 ± 0.5 (W) × dia. 83.0
Power	24 VDC ± 7 %, -1.8A draw, PS-180 power supply
EMC standards	FCC, VCCI, CE marking, AS / NZS CISPR22 class A. GOST-R

## Cash Drawer

- » Heavy duty metal construction.
- » 3 position key lock.
- » Integrated with T-POS receipt printer (using an RJ11 connector) to automatically open while printing or at will.



Dimensions	420mm (W) x 415mm (L) x 115mm (H)
Weight	9.1Kg
MTBF	>1,000,000 open/closes
Colour	Black
Input to Solenoid	24V
Max Input Voltage	26.4V
Pulse Width	100-200msec
Current Consumption	1A @ 12V DC
Input Independence	Not less than 24 ohms
Pulse Cycle Duty	10% max
Activation Current	0.9A max
Cash Insert	Removable Tray and Coin Tray
Note Compartments	5 tapered with metal clips
Coin Compartments	8 swappable, for convenience



## Optional Add-ons

The following optional add-ons are available for the T-POS Wet Stock Package:

- » T-WEB
  - ↳ Indoor Account Payment Terminal



T-WEB is an enterprise-level Software as-a-Service (SaaS) cloud-based application, providing users with an ability to remotely manage their forecourt infrastructure along with T-POS. The T-WEB user interface is accessed using an Internet browser to provide menu driven functionality for 24/7 fuel management support. Key benefits of T-WEB include:

- » Optimum planning of fuel procurement.
- » Secure 24/7 access to fuel management.
- » Accurate measurement and recording of fuel transactions in on-line or off-line modes.
- » Centralised storage and automated transfer of data.
- » User-initiated generation of fuel transaction reports.
- » Automated export of transaction data to 3rd party accounting or ERP applications.

**Note:** Refer to TT Fuel T-WEB Brochure for more information.

T-WEB requires a monthly subscription fee as well as a one-time purchase of a cellular modem to establish connection to TT Fuel's back-office system.

Dimensions	85mm (W) x 96mm (L) x 34mm (H), including mount
Cellular Networks	<ul style="list-style-type: none"> <li>» UMTS Bands (MHz): B1 (2100), B5 (850), B8 (900).</li> <li>» LTE Bands (MHz): B1 (2100), B3 (1800), B5 (850), B8 (900), B28 (700)</li> </ul>
Data Capabilities	<p>HSPA+</p> <ul style="list-style-type: none"> <li>» Uplink up to 5.75Mbps.</li> <li>» Downlink up to 42Mbps.</li> </ul> <p>LTE CAT1</p> <ul style="list-style-type: none"> <li>» Uplink up to 5Mbps.</li> <li>» Downlink up to 10Mbps.</li> </ul>
Antenna Connector	SMA Female Connector
Power	<ul style="list-style-type: none"> <li>» 12-32VDC nominal, 10-36VDC operating.</li> <li>» 200mA @ 12VDC operating, 50mA idle but not connected, 122-130mA idle and connected.</li> <li>» Connected, maximum draw (max Rx/Tx conditions): 137mA (1.644W)</li> </ul>
Operating Temperatures	-30°C to 70°C (Restricted operation above + 70°C)



## Indoor Account Payment Terminal

TT Fuel offers businesses a way to manage their own account cards, this requiring the purchase of following items:

- » Subscription to T-WEB.
- » TT Fuel Indoor Account Payment Terminal.

T-WEB account card management features include:

- » Creating and managing customer accounts.
- » Creating cards and assigning them to customer accounts.
- » Overview of transactions.
- » Detailed reporting on card usage.



**Note:** Account cards can be used with T-POS and TT Fuel's Outdoor Payment Terminal (TT8800). If potential customers have existing account cards with TT Fuel, they can utilise this solution straight away. Moreover, customers' existing account cards can be imported to T-WEB.

CPU, Memory, Display	Cortex M3, 256KB RAM, 1MB FLASH, 2.8", TFT, 320 x 40, C development language.
Magnetic Card Reader	Track 1/2/3, bi-directional swipe, ISO7810, ISO7811, ISO7812
Readers	ISO 7186 Smart Reader, IS14443 Type A, Mifare® Contactless Card Reader
Slots, Peripheral Ports	2x SAMs Slots, 1x USB RS232 Peripheral Ports.
Buzzer Single Tone Beeper	Built-in
Key Management	MK/SK, Fixed Key
Encryption Algorithm, Certification	RSA/T-DES/SHA-1/SHA-256/ECC Encryption, CE, EMV4.3 L1&L2 Certified.
Dimensions	76mm(W) x 175mm(L) x 56mm(H)

## Package Contents

The Wet Stock Package is delivered with the following items:

- » T-POS Terminal
- » FC6000-T Forecourt Controller
- » Cash Drawer
- » Receipt Printer
- » Wet Stock License
- » Printed T-POS Terminal User Manual
- » Printed T-POS Getting Started Guide
- » (Optional) Indoor Account Payment Terminal

## Warranty

The T-POS Wet Stock Package is warranted for 12 months against manufacturing defects, from date of purchase.

- » T-POS and its peripherals have to be kept in a cool, dry and dust free environment and are not designed for outdoor use.
- » The warranty is void if:
  - » The product is operated outside the published maximum voltage ratings or other anomalies in the electricity supply or external interference occur.
  - » There are signs of damage, neglect, improper storage, misuse, exposure to moisture and dampness or acts beyond the control of the manufacturer.
  - » There are signs of improper installation or unauthorised modifications.
  - » Non TT Fuel approved accessories are used.
  - » The warranty sticker is removed or tampered with.
- » All components must be returned to TT Fuel within 30 days unless otherwise agreed by TT Fuel in writing.
- » Equipment that is being sent back for warranty assessment must be in original packaging where possible.
- » The customer is responsible for all cost associated with transit back to TT Fuel.
- » TT Fuel will not accept any liability if returned equipment is damaged in transit either by mishandling or poor packaging.
- » While a warranty claim is being assessed, a loan replacement component/unit can be supplied.
  - » A loan component / unit must be returned to TT Fuel in original condition at the customer's expense.
  - » If a returned component / unit does not comply with the warranty claim, a service charge for assessment and handling may apply.
  - » Sending a replacement/loan component does not imply that the warranty claim is approved. Should the warranty claim be denied, additional charges may apply.
- » Faulty equipment needs to be shipped to TT Fuel's Headquarters in Adelaide, Australia at the customer's expense.
- » All warranty claims are assessed on a case by case basis, using information from the TT Fuel warranty claim form only.

## Support

T-POS Wet Stock Package is delivered with a comprehensive User Manual covering configuration, daily operations, and troubleshooting. For additional assistance, T-POS Wet Stock Package includes the following:

- » Initial training on the software and hardware.
- » Remote assistance given to a technician nominated by the customer at the time of installation.
- » One-year complementary remote support on the use of the T-POS application.
- » Ongoing software updates.

**Note:** Remote support requires an active Internet connection for the T-POS terminal.

TT Fuel Support is available between 7AM to 7PM Australian Central Standard Time (ACST), 7 days a week.