

Paperless, Electronic Fuel Ticketing for Military Fuels Management from Storage to Flight-line



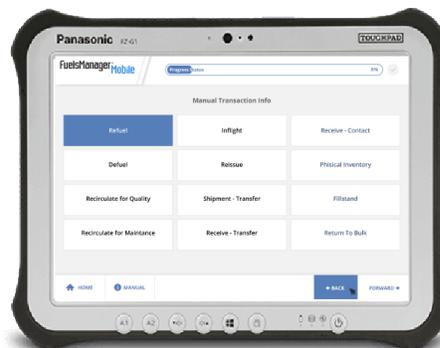
Mobile Computing for Point-of-Sale Transactions

When using paper tickets to manually record aircraft and vehicle fueling, the operator is required to arrive at the correct aircraft during an assigned time window, manually record aircraft and fueling vehicle meter values, perform calculations, accurately fuel the aircraft, validate their own manual calculations, complete a paper fuel ticket and deliver a copy for administration - a time consuming and complex process.

A Critical Component for Military Fueling

FuelsManager's Mobile Point-of-Sale application runs on a ruggedized tablet and replaces in-the-field data entry as a means of recording fueling transactions. It is an integral part of an automated defense fuels management system that performs the following critical tasks:

- Provides operators with time, location, aircraft and fuel load information for efficient dispatching
- Captures accurate fuel load data and automatically performs net volume calculations to API standards and validates calculations to help reduce data entry errors
- Updates FuelsManager® Defense with completed transaction data that enables timely and accurate fuel reconciliation and enterprise reporting
- Supports multiple point-of-sale operations and transaction types, including tail number sales, credit cards and dry runs.



Mobile Computing

By utilizing integrated, mobile computing technology, fuelers are guided through a streamlined, consistent and simplified fueling process. The tablet receives flight information and fuel load data from FuelsManager Defense's Dispatch application in real-time or whenever it is placed in its docking station. Throughout the day, the unit is used for fueling operations and collecting transaction data. At the end of the day or shift, all transactions are then uploaded back to FuelsManager.

Reacting to Changing Mission Requirements

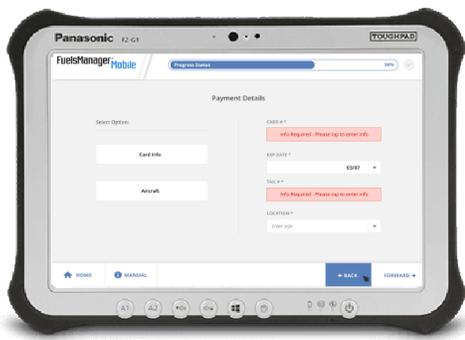
Operators are also able to create transactions on the fly, directly on the tablet. These transactions are also synced back to FuelsManager. This functionality provides complete flexibility based on mission requirements.

Reducing Errors, While Simplifying the Process

Using the tablet, fuel agents simply log in and select an assigned Fuel Request to receive all flight and fuel load details from dispatch. Limited manual data entry is required during the fueling process; the majority of fueling information is automatically populated or calculated for them. This dramatically reduces the manual data collection or calculation errors associated with manually recording paper tickets.

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► *Varec aviation fuels management and electronic ticketing systems have removed an estimated 2.7 million fuel slips annually from circulation for one major airline.*

Quick Specs for Toughpad FZ-G1

- Windows® 10 Pro.
- Sixth-generation Intel® Core™ i5vPro™ Processor
- MIL-STD-810G, 4-foot drop and all-weather IP65 dust and water resistant design
- 10.1-inch, HD daylight-readable, ten-point gloved multi touch + digitizer The thinnest and lightest fully-rugged, 10.1-inch, Windows 10 Pro
- USB 3.0 + HDMI ports + 11 optional configurations, including a choice of bridge battery, magstripe reader, SmarCard reader, or UHF 900MHz reader. And a choice of barcode, GPS, Serial, Ethernet, MicroSD, or 2nd USB port
- Wi-Fi 802.11a/b/g/n/ac, Bluetooth® and Optional integrated 4G LTE multi carrier mobile broadband with satellite GPS
- 2.4 lbs. (standard battery)
3.0 lbs. (optional long life battery)

A Complete Audit Trail

Dispatch operators are able to distribute information and manage fueling resources more effectively. The electronic ticket is time stamped at every step of the fueling process. The electronic personal identification number of the recipient is also captured when the fuel is dispensed. This provides a full audit trail and a clear picture of when fueling actually completed and who received the fuel.

Integrated with Fueling Vehicle Meters

The tablet is able to automatically collect actual fuel volumes using Data Capture Units (DCU) connected to the vehicle's fuel meters. In this scenario, the operator does not need to manually record meter start and stop information, thereby simplifying the process, improving efficiency and reducing the possibility of errors.

Improved Invoicing with Fuel Reconciliation on a Daily Basis

All fueling transaction data is automatically sent to FuelsManager Defense and available to all authorized dispatch and accounting users. Data transfer can be achieved using Wi-Fi, cellular or radio communications, or when the tablet is docked in its cradle. Your back office personnel no longer have to wait for the delivery of paper tickets, manually enter whole fuel tickets, find lost tickets or identify and correct manual data errors. These manual processes consume valuable time and resources, but more importantly, delay the reconciliation and close out of fuel accounts.

Surviving Harsh Environments and User Abuse

The ruggedized tablet is designed to MIL- SPEC standards, operates in harsh environments and survives user abuse, including 4-foot drops to concrete. The handheld computer is also approved for use in areas of operation, such as most areas under the aircraft wing. The touch screen makes data entry and process selections a breeze, even with bulky gloves. In the event of misuse, Varec provides comprehensive warranty programs for immediate replacement of damaged units.

Meets Defense Security Standards

FuelsManager has been U.S. DoD RMF approved and all components of the system have been developed to meet or exceed RMP security requirements for software and hardware systems. All data stored in the tablet is only accessible by authorized users.

Complete Range of Accessories

As a mobile computing device, the tablet has been proven in many industrial applications and additional features or accessories, such as credit card readers, compatible printers, docking station, cases, straps, stylus, etc., may be suitable to support your specific application.

► *Completed, validated transactions are uploaded to FuelsManager Defense's Dispatch and Accounting applications.*

