

# Account Payment Terminal Datasheet

## Overview

The Account Payment Terminal (part no. 095994) is fully compatible with the T-POS Terminal, allowing customers to use both fuel cards (WEX, MotorPass, MotorCharge) and locally issued account cards as a method of payment. All major account card protocols are supported: Magstripe, Smartcard and NFC.

## Order Process for the Account Payment Terminal

If you would like to acquire a new Account Payment Terminal or upgrade your existing one, please inform our sales representative at the time of placing your T-POS order and we will ensure that we dispatch the Account Payment Terminal with your T-POS.

If you already operate account cards, please contact us to first ensure the Account Payment Terminal supports your existing cards and then to configure the cards in our backend application to allow your T-POS Terminal to authorise the payments. TT Fuel can also supply account cards, if you do not already have an account card issuer.

**Note:** The Account Payment Terminal comes with a cellular modem providing a secured, non-public connection to the TT Fuel private network and back office applications.



## Order Process for TT Fuel Account Cards

Once you have ordered the Account Payment Terminal, TT Fuel will send you a form, used to identify the type of cards required. Please advise our sales representative the number and type of account cards required, so we can provide a quote including the cost of the account cards into the cost of the solution; additional cards can be ordered later, at an additional cost.

We recommend NFC cards due to their durability or iButton IDs in hazardous environments. Account cards can be even personalized; please send us your logo as a 300dpi jpg image and your cards will be delivered having the logo on the top left-hand corner.

### Order process for additional account cards

If you already have account cards with TT Fuel and need additional or replacement cards, please call our friendly Spare Parts team on +61 8 8215 5000 or email [parts@ttfuel.com](mailto:parts@ttfuel.com); we will then issue you an estimate for the new/replacement cards and once approved, we will process the order and ship the cards to you.



## Real-time ID Authorisation in Offline Mode

When using account cards, it is imperative that you consider the functionality of the device in offline mode (when the supplied modem cannot establish communications with the TT Fuel host authorisation system).

### Summary of offline modes

Offline Mode Type	Description
Online Only	Online authorisation is required for every transaction.
Retail 1	Total exposure is limited to the <i>Total Offline Transaction Limit</i> . Exposure per ID is limited to the <i>Transaction Number Limit</i> multiplied by the <i>Floor Limit</i> .
Retail 2	Total exposure is limited to the <i>Total Offline Transaction Limit</i> . All IDs can run up the daily dollar limit each day the system is offline.
Commercial 1	The exposure per ID is limited to the <i>Transaction Number Limit</i> multiplied by the <i>Transaction Volume Limit per ID</i> .
Commercial 2	All IDs can run up the daily volume limit each day the system is offline.
Basic 1	A basic offline authorization mode that disallows active IDs that haven't had recent use. Offline authorizations are not subject to volume, amount or frequency limits.
Basic 2	A very basic offline mode of operation that has no refuelling restrictions. Offline authorizations are not subject to volume, amount or frequency limits.

### Term Glossary

- » Floor Limit: Every approved transaction is limited to a fixed dollar amount.
- » Transaction Number Limit per ID: Every ID is limited to a maximum number of transactions irrespective of the volume of fuel taken.
- » Total Offline Transaction Limit: The combined total of approved transactions cannot exceed the Total Offline Transaction Limit.
- » Transaction Limit per ID per Day: Every ID is limited to a fixed dollar allowance per day. The dollar allowance is reset at midnight (local time).
- » Transaction Volume Limit per ID: Every approved transaction is limited to a fixed volume.
- » Transaction Volume Limit per ID/Day: Every ID is limited to a fixed volume allowance per day. The volume allowance is reset at midnight (local time).
- » Last Approved Running Days Cut-off: The number of days prior to the present date that is used as the cut-off to disallow active IDs that haven't had recent use.



### Installation

Use any of the available T-POS USB ports to connect the Account Payment Terminal.

### Specifications

Processor	Cortex M3
Memory	256KB RAM, 1MB FLASH
Display	2.8", TFT, 320 x 40
Development Language	C
Magnetic Card Reader	Track 1/2/3, bi-directional swipe, ISO7810, ISO7811, ISO7812
Smart Reader	ISO 7186
Contactless Card Reader	IS)14443 Type A, Mifare®
SAM Slots	2 SAMs
Peripheral Ports	USB RS232
Buzzer Single Tone Beeper	Built-in
Key Management	MK/SK, Fixed Key
Encryption Algorithm	RSA/T-DES/SHA-1/SHA-256/ECC
Dimensions	175mm x 76mm x 56mm
Certification	CE, EMV4.3 L1&L2