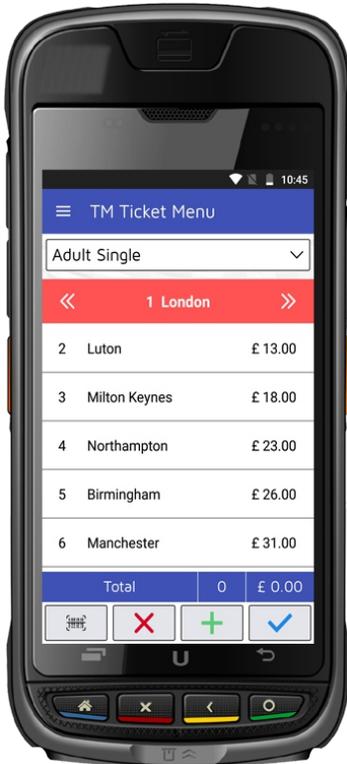


TM 150

Rugged Android Portable Terminal



- Cost effective all-in-one ticket machine
- Easy to use ticket machine and back-office system
- Integrated thermal printer
- Powerful battery (10+ hours continuous use)
- Suitable for outdoor and indoor use
- Cloud based back-office system
- Real time ticketing and tracking data
- Integrated online booking and mobile App
- Validate e-tickets and m-tickets
- Two way messaging Driver/Operator

TM 150 - Overview

- The TM 150 features a 5" colour LCD touch screen which delivers excellent visibility both indoors and outdoors, making it suitable for deployment in challenging environments.
- The TM 150 is an all-in-one portable ticketing solution supports cash tickets, smart cards, barcode scanning, card payments using Bluetooth.
- The TM 150 features a lithium-ion battery (operating period of 20 hours and more) and it can be charged in office using the office charger or on the bus using the in-vehicle charger.
- The TM 150 has an integrated high speed thermal printer, NFC (smart card) reader and writer, QR code/Barcode reader with high speed and accuracy, 4G connectivity for faster internet connectivity, A-GPS for accurate tracking and high memory capacity.
- The TM 150 comes with our fully web based reporting and fares management software.

TM 150 - Benefits

- Issue different types of paper tickets with an integrated high speed thermal printer.
- Monitor ticketing data in real time to view passenger load per journey.
- Fares update over the air through our easy to use fares management panel.
- Track vehicles using our interactive Geo tracking tools.
- Scanning barcodes on board to reduce fraud by validating Web bookings or Mobile bookings.
- Increase passenger numbers & revenue by accepting Contactless or Chip & Pin cards on-site/on-board.
- UK based technical support by customer friendly staff.

TM 150

Web Features

Config Compiler

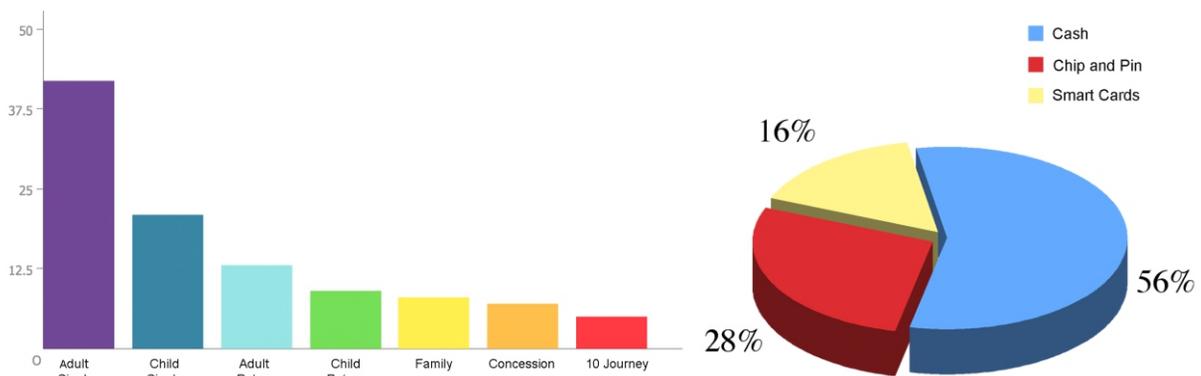
- Web based solution with deployment flexibility
- Manage the products that are to be sold using areas
- Facilitates config testing
- Configure the ticket layouts and content to print for different products
- Create/update driver/operators, products, menus
- Manage the fares, business rules and routes
- Easy and quick to use
- Distribute the new configuration for instant fare update

Route: 999 : Demo Route Product: 1 : Adult Single Save Fill Area

	1. Stafford	2. Birmingham	3. Coventry	4. Leicester	5. Luton	6. Eastham	7. Barking	8. Woolwich	9. Dartford	10. Slough
1. Stafford										
2. Birmingham	8.00									
3. Coventry	10.00	8.00								
4. Leicester	10.00	10.00	8.00							
5. Luton	12.00	10.00	10.00	8.00						
6. Eastham	12.00	12.00	15.00	10.00	8.00					
7. Barking	14.00	12.00	15.00	15.00	10.00	10.00				
8. Woolwich	14.00	14.00	16.00	15.00	12.00	12.00	8.00			
9. Dartford	16.00	16.00	16.00	16.00	12.00	12.00	10.00	8.00		
10. Slough	16.00	16.00	16.00	16.00	14.00	15.00	10.00	12.00	10.00	

Reporting Software

- Web based reporting solution
- Comprehensive cash reconciliation module
- Standard reports for sales analysis
- Customized reports for bespoke requirements
- View live ticket data using Live Panel
- Daily revenue reconciliation reports
- Geo Tracking and Schedule Adherence
- Device connection status for managing assets



TM 150

Bespoke Solution

Online Web Booking Engine



Our online ticket booking engine is fully integrated with the TM 150 ticketing solution i.e. booking tickets online, validating them onboard for reducing fraud and online back-office system for analysing data instantly. It is integrated with various merchants e.g. Sage Pay, Capita, Civica, World Pay etc. We can also integrate the booking engine with any other merchant.

Take a look at some of our work using the links below:

<https://bookings.wexfordbus.com>

<https://ticketbooking.cityscapetours.ie>

Mobile Application



It allows the passengers to see live journey information including schedule and expected arrival times. The user can also book tickets using the app. We can customise the app to suit your requirements.

Geo Tracking and Schedule Adherence



The operator can track the coaches using the geo tracker system. The operator can see arrival times for coaches at different stops. The operator can apply filters to only show a particular route on the map.

Schedule Adherence report shows the operator the schedule time and the actual time for each stop for journey. This can be used to determine if the driver is running early or late and make improvements for journey times.

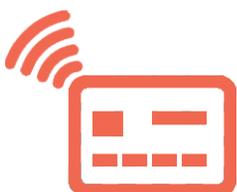
Smart Card



Introducing smart cards can reduce maintenance cost, eliminate cash handling and increase revenue. The operator can offer various new tickets e.g. Weekly, Monthly, Yearly, 10 Journey etc. The onboard TM 150 machine validates the smartcards and the driver doesn't have to worry about checking expiry dates on a paper tickets.

The paper tickets can easily be photo copied and very hard for the driver to distinguish between genuine and fraud tickets. The smartcard solution stops that. The operator can also offer online top up of the smartcard which is very popular for customers and enhance customer experience.

Card Payment



Accepting card payments on board can improve revenue. The system comes with an external card terminal connected to TM 150 via Bluetooth. The driver selects the tickets to issue and the machine sends the amount to the card terminal via Bluetooth technology.

Once the card payment is authorised, the TM 150 prints the tickets out. The card terminal is separate so the driver/operator doesn't have to hand the whole machine to the customer.

TM 150

Sample Tickets, Accessories & Technical Specification

Sample Tickets

TRANSMACH
Leave ticketing to us

Adult Single

£1.30

06-MAR-2017 16:27 St: 2
TSn: 0249 OP: 3868 M:0203
Duty: 1 Rt: 34 J:145

London
To
Birmingham

Thanks for travelling
TransMach Systems Limited
www.transmach.co.uk
Tel: 020 8861 1946

TRANSMACH
Leave ticketing to us

Adult Week

£11.00

06-MAR-2017 16:32 St: 2
TSn: 0250 OP: 3868 M:0203
Duty: 1 Rt: 34 J:145

EXPIRES: 12-MAR-2017

Thanks for travelling
TransMach Systems Limited
www.transmach.co.uk
Tel: 020 8861 1946

TRANSMACH
Leave ticketing to us

Adult 10J

£11.50

06-MAR-2017 16:35 St: 2
TSn: 0251 OP: 3868 M:0203
Duty: 1 Rt: 34 J:145



Thanks for travelling
TransMach Systems Limited
www.transmach.co.uk
Tel: 020 8861 1946

Operator Waybill

Operator: 3868

BookOn: 06/03/2017 09:25

BookOff: 06/03/2017 17:35

FTKt: 0240 LTTk: 0287

MCsn: 0203 Duty: 1

Product	Qty	Total
Adult sgl	10	£15.50

Adult Week	5	£55.50
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Final Summary

Gross: 15 £71.00

Void: 0 £0.00

Nett: 15 £71.00

Accessories

- Carrying case
- Mounting stand
- Chargers/Cradles
- Rolls

Technical Specification

Operating System	Android 5.1
Certification	CE, FCC, ROHS, EMV L1 & L2, Contactless EMV L1 & L2, PCI 4.1
Memory	2 GB RAM, 4 GB ROM
Display	5.0 Inch (720 * 1280) TFT-LCD
Communication	Wi-Fi 802.11 b/g/n, Bluetooth 4.0 HS low energy
	GSM:850/900/1800/1900 MHz (option 3G/4G), UMTS/HSPA+: 850/1900/2100 MHz
Processor	Quad-Core 1.2GHz
Battery	4.35V/ 5000 mAh
Printer	Speed: 24 lines per second, Paper roll width: 58mm, Diameter: 30mm, optional 40mm
Keypad	1. Front: User define button x 1, Cancel button x 1, Confirm button x 1, Clear button x 1
	2. Side: SCAN button x 2, The volume switch button, ON / OFF button
GPS	GPS, Supports A-GPS, GNSS
Scanner	1D, 2D
RFID Reader	NFC
Camera	5.0 mega pixels with flash and automatic focus
Port	Micro SD/TF x 1 (a maximum of 32 GB)
	SIM x 1, SAM x 2, Mini USB x 1, POGO PIN x 1, 3.5mm Audio Jack x 1
Panel	Capacitive touch screen, can work with gloves and wet
Dimensions/weight	184mm*79mm*29mm, 490g