# Smart TGX150 SYSTEM

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**The Wayfarer SmartTGX150, which has an inbuilt ITSO compatible Contactless Smart Card Reader, offers a highly versatile electronic ticketing system designed for use on buses, trams, trains, underground and metro systems.**

The Wayfarer *SmartTGX150* ticket machine brings together powerful "*state of the art*" electronic ticketing equipment produced to the highest quality standards, featuring the industry standard Intel™ 386 EX high integration processor with integrated software packages to provide comprehensive management information, backed up by superb service at all levels. All Wayfarer ticketing systems are software programmable, enabling them to constantly evolve throughout the life of the equipment, maximising our ability to meet individual customer needs.

Why buy from different sources when you can have one-stop shopping with Wayfarer? There is no need to look anywhere else - *Wayfarer offer the best*.

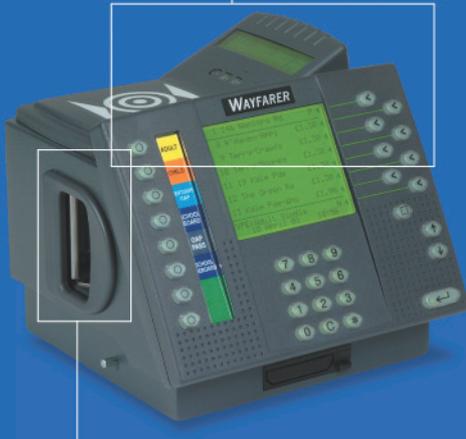**WAYFARER** TRANSIT SYSTEMS LIMITED ™

# *Smart*TGX150

S Y S T E M

Revenue and passenger performance data, covering journeys, routes and services are automatically stored in the credit card sized portable memory module which can be removed and the data transferred to the Depot Reader for downloading to the customer's own computer system. Utilising Wayfarer software, vital management information can be extracted from the flow of data gathered on bus; information which will assist today's company management to improve services, reduce fraud, improve revenue management and monitor individual drivers, routes and customer buying patterns.

The Wayfarer *Smart*TGX150 ticket machines can be interfaced with Wayfarer Magnetic and remote Smart Card Validators to provide a fully integrated system for today's modern ticketing requirements which incorporate mediums from paper or thermal tickets to stored value magnetic or Smart Cards. Additionally, interfaces for radio systems, destination signs and other on-bus equipment are provided

The Wayfarer *Smart*TGX150 is adaptable to provide either a basic or a fully integrated ticketing system capable of development as necessary to keep pace with a customer's requirements. At all levels it offers improved efficiency and a friendly and beneficial service to passengers without detracting from operational efficiency and management planning.

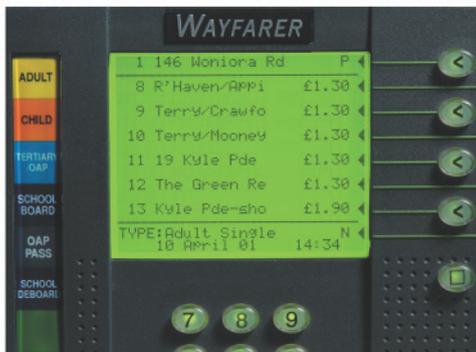## A D D I T I O N A L O P T I O N S

■ *Global Positioning System*
*The most cost-effective method of automatically updating fare stages, and obtaining accurate bus-based positional information about where any given vehicle fitted with a GPS receiver was at any given time, for post event analysis.*

■ *Radio LAN*
*Through the use of radio, information can move directly between the vehicle and the depot computer without the use of driver modules.*

# Features include:

- A complete system made up of the ticket issuing machine, the portable memory module and the Depot Reader, together with a user-friendly, efficient back office system.

- ITSO compatible Contactless Reader with integral passenger display and card transaction lights.

- Fully supported system with the Wayfarer Point of Sale Machine *(POS)* which records, issues and charges Smart Cards

- Smart Cards do not have to be physically placed in the machine, but can be retained in a wallet and simply *"passed"* over the Reader, thus allowing for faster passenger transfer.

- Allows the provision of a *"hot list"* for lost or stolen cards, and the disabling of cards under software control.



- A ticket issuing machine which is fast, accurate and reliable with a modern aesthetic design.

- Illuminated keyboard, large variable intensity high definition graphics display and printer, and optional display parameters designed to handle various International character sets as well as the standard English set.

- 8 Operator programmable 'soft keys' with variable functions.

- A slimline high capacity contactless portable memory module which stores transaction data and configuration details.

- A high speed thermal graphics printer *(150mm/s, 8 dots per mm)*.

- A system which is simple to use and maintain.

- A parameter driven system allowing for individually tailored programming of ticket machine keys and ticket printing details.

- Intel™ 386 EX high integration microprocessor technology to provide comprehensive management information which links to Wayfarer or third party analysis software.

- Various data transmission options including transfer of data via radio.

- Advanced compact technological design which is modular, allowing for customisation to suit individual requirements.

- 1 Mbyte of 'FLASH' memory containing the operating system, application software and some programmable data.

- 1 Mbyte of battery backed RAM for transaction data and workspace.

- State of the art interface for control of Magnetic Card Validator, destination signs, radio and advertising displays.

- Handles a variety of ticket/card types including passes, multi-journey and stored value.

- Fares look up and reverse fares look up.

- Large ticket roll capacity of up to 2,000 tickets per roll.

*Smart*TGX150 SYSTEM

## Basic Technical Specification

*Size:*        H215mm / D235mm / W231mm

*Weight:*     4.95Kg

*Display:*     98mm x 79mm graphics backlit STN liquid
               crystal display, with a maximum of 16
               lines        by 26 characters in text mode

*Module Capacity:*
               Up to 1 Mbyte

*Ticket Issue Speed:*
               Typically 0.5 seconds

*Full Technical Specifications are available.*

**WAYFARER** TRANSIT SYSTEMS LIMITED ™

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