

Driver Operated Weighbridge Kiosk



Overview

Manual driver transactions can be a costly bottleneck in most busy weighbridge operations. The SoloWeigh Kiosk can streamline the process by performing the transaction quickly and automatically. In a typical transaction the SoloWeigh identifies the driver using touchscreen, by scanning a fingerprint, reading a radio frequency identification device (RFID), a smart card or scanning a barcode ticket.

The weighing transaction is initiated and driver responds to specified on screen tasks. Once complete the driver is instructed to proceed with optional printout and loading/unloading instructions.



- Can be installed onto both new and existing weighbridges.
- Available to use indoor or outdoor at truck cab height for ease of operation.
- Integrated PLC to interface with traffic control barriers, ground loops, traffic lights proximity/infrared sensors plus communications to many industry standard devices.
- Powered by the ultimate weighbridge software module WeightIT which is built on the .NET platform and SQL Server Database.
- Easy to use, ensuring the security and integrity of all weighbridge transactions 24 hours a day.



‘Developed from years of proven and practical experience’

1



Touch-Screen Display

Transflective Display: Easy to read display using transflective touch-screen technology (changes with daylight variations to ensure visibility of screen even in direct sunlight).

2



Fingerprint Reader

Biometrics: Unique and secure driver identification using integrated Fingerprint reader.

3



Web Cam

Web Cam: Integrated web cam captures image of each user which can be reviewed within each individual weighing transaction.

4



Printout

Print Options: A4 size thermal print dockets printing weighing transaction details available in multiple copies or Tally roll ticket printer sizes available up to 80mm wide.

5



Barcode Reader

Barcode: Barcode reader/scanner can be added as option.

6



Key Fob Reader

Key fob reader, magnetic strip card reader or customer specific devices (RFID).

Benefits

- Increases efficiency by automating the driver transaction
- Enhances security by positively identifying drivers
- Reduces data entry errors from manual processes
- Provides quick return on investment with large scale cost savings

The SoloWeigh self service Kiosk has been designed to accommodate almost all of the requirements demanded from driver operation.

This product has been designed to meet current and future requirements demanded within the self service kiosks industries.

Other Features

- Connectivity: Plc to interface with traffic control barriers, licence plate recognition, traffic lights, proximity sensors, photocells, automatic filling/ loading hardware and numerous external devices
- Voice Instruction: Voice instructions at each stage for user guidance/prompting
- Micro PC: Controlled with fast responsive CPU including high capacity hard disk drive
- All-weather Kiosk: Fully weather proof housing. The SoloWeigh kiosk is produced from a combination of polycarbonate UV acrylic capped ABS front bezel with a vandal proof and sealed metal housing
- Multiple Mounting: Kiosk can be mounted indoors or outdoors at vehicle height adjustable stand options for indoor/outdoor truck cab height operation
- WiFi: System data can be accessed over WiFi (wireless) network or USB interfaces



‘Simply the most advanced
self service Driver-operated
Kiosk on the market’

Technical Specifications

ENCLOSURE

Weather proof steel and UV Acrylic Capped ABS front
Suitable for all Outdoor and Indoor Locations.
Floor or Truck Height Mount options
Vandal Proof Security Access Locking.
Thermostatically Controlled Heating and Cooling system.

CPU

Embedded High Performance PC
Storage: 200 GB HDD
Network: IEEE802.3 10/100/1000Mbit/s
Wireless (WiFi): IEEE 802.11 B/G/N
O/S: Microsoft Windows
I/O Ports: USB2/3 HUB, RS232/RS485/RS422

Touch Screen Display

12.1 " Transflective LCD Display Outdoor Sunlight
Readable Display.
Toughened Glass Surface Capacitive Touch-Screen - Ideal
for outdoor applications as it's unaffected by the elements
rain, ice, snow sun etc.
Transflective technology - Display automatically becomes
brighter as sunlight increases

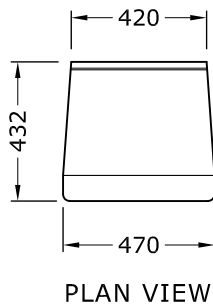
Docket Printer

A4 /Letter Size High Speed Direct Thermal
Paper Handling: Looping Presenter, Guillotine Cutter and
Pull Detector
Resolution: 200 or 300 dpi
Print Speed: 180mm per second
Media: High Capacity Direct Thermal Paper
Roll
Graphic Logo, Text and Barcode Printing.
Ejecting & Retracting (speed up to 1000 mm/sec)
Barcodes: UPC-A, UPC-E, EAN13, EAN8, CODE39, ITF,
CODABAR, CODE93, CODE128, CODE32, PDF417,
DATAMATRIX

or

Ticket Printer

58-82mm Width Direct Thermal
Resolution: 203 dpi
Speed: 150mm per second
Media: High Capacity Direct Thermal Paper Roll
Text and barcode printing.
Paper Handling: Looping presenter, Guillotine Cutter
and Pull Detector
Auto media Loading
Retract and retain function



Peripheral Control PLC

Controls Weighbridge peripheral equipment: Traffic
Barriers, Gates, Traffic Lights, Loading \ Discharge Interface
Controls and Interlocks.
I/O: 8 X Relay outputs, 4 digital inputs, 4 Analogue Inputs
Control functions to meet Legal Metrology\Weight &
Measures Zero and Positioning (ZAP) Requirements.

RFID Key Fob Reader

Compact PROX 120mm Short Range Reader
Can be used for Driver identification and access control
Note: SoloWeigh can be retrofitted to read other\existing
customer Key Fobs smart cards etc.

Biometric Finger Print Reader

Ruggedized, high image quality fingerprint optic module.
Can be used for secure Driver Identification and access
control.
High speed minutiae processing algorithms provide fast
secure identification.

Barcode reader

High Performance Omni directional Scanner
Decodes all Standard 1D, RSS-14, RSS Limited and
Expanded RSS Bar Codes
Can be used to read labels, ID Codes, PLU, Driver
Identification.

Camera

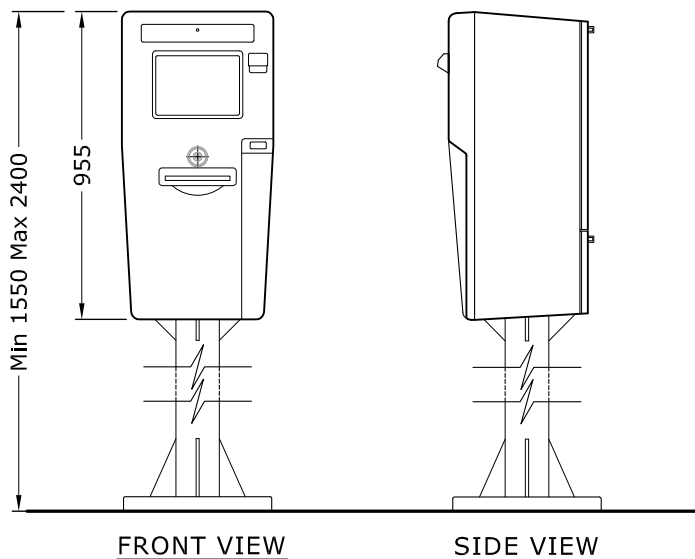
1.3 Mega Pixel Face Capture and Video Camera
Integrated Intercom Microphone
Links Driver Image and Video to weighbridge Transactions.

Speakers

Stereo Audio Speakers
Automated Voice Prompts to assist driver with weighing.
Intercom Speakers.

Other

SoloWeigh can be optionally configured with a range of
POS devices such as: Smart Card Reader, Chip\Pin
Reader, Mag Swipe Card Reader, Ticket\Label Dispenser.





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