

# Encompass® 1150

## Mobile RFID Reader

TransCore's Encompass 1150 (E1150) Mobile RFID Reader offers a portable and cost effective solution for decoding or verifying RFID tags. The lightweight, ergonomic design makes it the ideal choice for parking, tolling, rail, ground/transportation asset management, field service, and warehouse operations.

This versatile reader works with most types of RFID tags. Tag data can be transferred from the reader to a notebook computer, desktop PC or cell phone using a USB cable or wireless Bluetooth® connection. Operation of the reader is quick and easy using the single push-button and audible signal tones. Its lightweight and ergonomic design makes it ideal for either office or field use. The bright high-contrast display is visible in indoor or outdoor light conditions.



## Features

- ▶ Works with most standard tag protocols
- ▶ Intuitive single port power/data connection
- ▶ Rugged: Meets or exceeds IP64
- ▶ Software compatible with Windows® 2000 or newer
- ▶ USB cable or Bluetooth connection

## Applications

- ▶ Parking
- ▶ Tolling
- ▶ Rail
- ▶ Ground/transportation asset management
- ▶ Field service
- ▶ Warehouse operations

# Encompass<sup>®</sup> 1150 Mobile RFID Reader

## COMMUNICATION

### Frequency

Operates at specified frequencies in the 915 MHz band (North American Version)  
Operates at specified frequencies in the 915/870 Mhz band (International Versions)

### Read Range

4 - 12 ft (1.2 - 3.7 m) depending on tag type and mounting configuration

### Protocols

Reads data from the American Trucking Association (ATA), American Association of Railroads (AAR), Weigand (multiple formats), Super eGo<sup>®</sup> (SeGo), eGo (18000-6b), and Title 21/Allegro

### Interconnect Cable

USB (1.0 or 2.0) interface

### Wireless PAN

Fully Qualified Bluetooth v2.1 EDR

## HARDWARE FEATURES

### Display

Organic Light Emitting Diode (OLED)

**Tag Data:** 2 lines, 21 characters each

**Status:** 1 line, 21 characters

## POWER REQUIREMENTS

### Power Source

Rechargeable internal battery

External Power Supply (Charger):

**Input:** 100-240V<sup>~</sup>, 0.35A, 50-60Hz

**Output:** 5.0 VDC, 2.0A

### Battery Operation

Up to 960 reads per fully charged battery

## PHYSICAL

### Dimensions

**Size:** 8.1 x 4.1 x 1.5 in (20.6 x 10.4 x 3.8 cm)

**Weight:** 0.9 lb (0.4 kg)

### Case

Durable weather-resistant case  
Moisture Resistant, shock/vibration rated,  
UV stabilized polycarbonate

## ENVIRONMENTAL

### Operating Temperature

-4°F to +122°F (-20°C to +50°C)

### Storage Temperature

-22°F to +140°F (-30°C to +60°C)

### Humidity

0 to 95% non-condensing over operating temperature range

### Vibration Tolerance

Random Vibration 1 G (rms), 20 to 200 Hz

### Shock Tolerance

10 G peak terminal sawtooth, 11 ms duration

## COMPLIANCE

### Safety

Complies with UL/CSA 62368-1

## LICENSING

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

**FCC ID:** FIH05847

**IC ID:** 1584A-05847

Users in all countries should check with the appropriate local authorities for licensing requirements.

## OPTIONS

### Test Tag

(1) Multiprotocol tag programmed with SeGo and ATA/AAR data

### Sample Software

Self-installing software with public (not licensed) source and executable code

### Holster

Optional: P/N 31-1150-001

### Documentation

- ▶ E1150 Mobile RFID Reader Quick Start Guide
- ▶ E1150 User Guide

### Model Part Numbers

*North American Version*

**E1150:** 10-1150-004

*International Versions:*

**E1150-870:** 10-1150-005

**E1150-915:** 10-1150-006

### For more information:

#### Sales Support

800.923.4824

#### Technical Support

505.856.8007

[transcore.com](http://transcore.com)