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, railroad, ground management, 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 Smartphone 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.

**Portable and Cost Effective**

- Lightweight, rugged, ergonomic design is ideal for office or field use
- Single push-button and audible signals for quick and easy operation
- Bright high-contrast display for day or night use
- Connects to PC, mobile computer, or Smartphone® with USB cable or Bluetooth®

**Features**

- Works with most standard tag protocols
- Intuitive single port power/data connection
- Rugged: Meets or exceeds IP64
- Software compatible with Windows® XP, Vista, 7 (32 and 64 bit versions) and Android operating systems
## 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® (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

### Case
Durable weather-resistant case

Moisture Resistant, shock/vibration rated, UV stabilized polycarbonate

## POWER REQUIREMENTS

### Power Source
Rechargeable internal battery

### Battery Operation
960 reads per fully charged battery pack

## 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)

## 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

## ACCESSORIES

### 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

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**For more information:**

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