

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, 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

Encompass[®] 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[®] (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

Model

North American Version:

E1150

Part Number 10-1150-004

International Versions:

E1150-870

Part Number 10-1150-005

E1150-915

Part Number 10-1150-006

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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