

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[®] 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

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

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

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

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

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transcore.com