

®

TI  
from

# LID665/ANT<sub>XXX</sub>



- Modular design
- Variety of antenna form-factors
- Low-cost solution
- Small board, antenna formfactors
- Select from among housing options, buzzer and other features

The LID665 Mini OEM Board is the smallest OEM Board currently available, featuring all decoder electronics on a single board. It has been designed for use with external single coil antennas, such as the ANT-613 Single Coil Sensor Antenna and the ANT-614 Single Coil Square Antenna, as well as custom antennas that can be manufactured to the customer's specifications. Reader activation can be placed under software control, or can be controlled by trigger. The LID665 Mini OEM Board will read both TROVAN UNIQUE™ and TROVANFLEX™ ID codes, and will allow operators to write to (program) TROVANFLEX™ transponders.



Above: LID-665 Mini OEM Board shown with LID-665BP Back Plate

PRESENTED BY:

## LID665 MINI OEM DECODER BOARD

### DIMENSIONS

50 mm x 51 mm x 8 mm  
(2 x 2 x 0.03 in.)

### WEIGHT

20 g (1.77 oz)

### POWER SUPPLY

5 vdc or wide range input from  
7 to 24 Vdc; 70mA current

### MEMORY

8 Kb EEPROM for data storage

### STORAGE CAPACITY

1,600 readings

### OPERATING TEMPERATURE

0° to +50°C (32°F to 122°F)

### OPERATING FREQUENCY

128 kHz

### READING RATE

0.03 sec.

### INTERFACE

LID-665	RS232
LID-665N	RS485, CAN layer
LID-665A	access control version w/ both RS232 and RS485

### OPTIONS

LID-665BP	Backplane for LID-665 with screw connectors, 2 relay outputs, 2 inputs, buzzer, fuses.
IOCARD	4 inputs, 4 outputs, controlled via I/C, functions depend on firmware.
CLK-665	Clock-calendar (to record time & date stamp with readings)
MEMEXP	Expanded memory (doubles capacity)
HOU-665	IP 40 housing
HOU-665/S	IP 65 housing
PWSCAB	Mains lead
RS232CAB	RS-232 cable
ANTCAB	Antenna cable, additional length

The LID-656 Economy OEM Board is designed to work with single coil antennas. It is designed to provide a low-cost solution for applications where maximised reading ranges are not a requirement. Designed for use in noisy environments, it provides optimal read range for single coil antennas.



Above: LID-656 Economy OEM Board

#### **LID656 ECONOMY OEM DECODER BOARD**

##### **DIMENSIONS**

200 mm x 70 mm x 11 mm  
(3.9 x 2.7 x 0.43 in.)

##### **WEIGHT**

45 g

##### **POWER SUPPLY**

Regulated linear, max 12 Vdc +5%

##### **OPERATING TEMPERATURE**

0° to +50°C (32°F to 122°F)

##### **OPERATING FREQUENCY**

128 kHz

##### **READING RATE**

0.03 sec.

##### **INTERFACE**

RS232, 2 ea. TTL lines for serial wiegand  
or clock data protocol.

##### **OPTIONS**

BUZ-655	Buzzer on board
LED655	Output to connect LED
HOU-656	IP 40 housing
HOU-656/S	IP 65 housing
PWSCAB	Mains lead
RS232CAB	RS-232 cable
ANTCAB	Antenna cable, additional length



### ANT-613 Single Coil Sensor Antenna

#### DIMENSIONS

Diameter: 18 mm (0.7 in.)  
Length: 165 mm (6.5 in.)

#### WEIGHT

60 g.

#### ENVIRONMENT

IP 65

#### MATERIAL

POM

#### READ RANGE(best w/ LID665/LID656, respectively)

ID-100	1 cm (0.4 in.)/2.5 cm (1 in.)
ID-200	2.5 cm (1 in.)/4.5 cm(1.8 in.)
ID-300	1.7 cm (0.8 in.)/3 cm(1.2 in.)
ID-400	6 cm (2.4 in)/9 cm(3.6 in.)



### ANT-614 Single Coil Square Antenna

#### DIMENSIONS

100 x 60 x 13 mm (3.94 x 2.36 x 0.51 in.)

#### WEIGHT

200 g.

#### ENVIRONMENT

IP 68

#### MATERIAL

ABS filled with polyurethane

#### READ RANGE(best w/ LID665/LID656, respectively)

ID-100	1.5 cm (0.6 in.)/4 cm(1.6 in.)
ID-200	5 cm (2 in)/8 cm (3.2 in.)
ID-300	3.5 cm (1.4 in.)/5 cm(2 in.)
ID-400	11 cm (4.3 in)/14 cm(5.5 in.)



### ANT-614OEM Single Coil Square Antenna, OEM version

#### DIMENSIONS

85 x 55 x 2 mm. (3.3 x 2.2 x 0.07 in.)

#### WEIGHT

10 g.

#### ENVIRONMENT

depends upon housing used

#### READ RANGE(best w/ LID665/LID656, respectively)

ID-100	1.5 cm (0.6 in.)/4 cm(1.6 in.)
ID-200	5 cm (2 in)/8 cm (3.2 in.)
ID-300	3.5 cm (1.4 in.)/5 cm(2 in.)
ID-400	11 cm (4.3 in)/14 cm(5.5 in.)



### **ANT-CUST Custom manufactured single coil antennas**

Antennas can be made to customer specifications.  
Example at left shows custom antenna with 195 mm  
(7.7 in.) dia. used for fish and bat identification.



### **CUSTOM READERS MADE TO ORDER**

At Left: Custom reader configuration consisting of  
LID-650 OEM board, ANT-613 antenna,  
with RS-232CABURL curly cable and RS232CAB.  
This reader is designed to piggy-back onto third-party  
Portable Data Terminals (PDTs).  
Also available with the Palm proprietary interface.