

# TITAN

## RFID Reader Industry OEM Board

**PART ID:**  
**4005**

The LF RFID OEM Reader Board Serial TITAN 4005 supports the Multiprotocol FDX-B and HDX functionality related to ISO/IEC 11784/785 / BDE standard. The TITAN 4005 is used by electronics developers to integrate LF RFID reading functionality into own devices. Target applications are the waste management and the animal identification or other industrial applications. The small shape allows the integration in handheld PDAs or tablet PCs. A good read range is available even if the reader board is of small shape.



### Main Specifications

|                       |   |
|-----------------------|---|
| Frequencies           | <b>LF</b> HF UHF                                    |
| Material              | FR4   |
| Operating Temperature | -20°C to 65°C                                       |
| IP Class              | Not Specified                                       |
| Compliance            | RoHs & Reach, CE                                    |
| Key Features          | Small Size, Command Interpreter, ASK/FSK Modulation |

### Full Specifications

|                  |   |
|------------------|---|
| Product ID       | 4005  |
| Name             | TITAN   |
| Material         | FR4   |
| Shape            | Short Range   |
| Long Description | The LF RFID OEM Reader Board Serial TITAN 4005 supports the Multiprotocol FDX-B and HDX functionality related to ISO/IEC 11784/785 / BDE standard. The TITAN 4005 is used by electronics developers to integrate LF RFID reading functionality into own devices. Target applications are the waste management and the animal identification or other industrial applications. The small shape allows the integration in handheld PDAs or tablet PCs. A good read range is available even if the reader board is of small shape. |
| Key Features     | Small Size, Command Interpreter, ASK/FSK Modulation   |
| Main Use         | Embedded  |
| Article Type     | OEM Board   |
| Color            | Green   |
| Length [mm]      | 70  |

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Where application information is given, it is only advisory and does not form part of the specification.

|                           |                  |
|---------------------------|------------------|
| Width [mm]                | 20               |
| Thickness [mm]            | 8                |
| Weight [g]                | 15               |
| IP Class                  | Not Specified    |
| PCB Material              | FR4              |
| Chemical Resistance       | Not Specified    |
| Flame Resistance          | Not Specified    |
| Mechanical Resistance     | Not Specified    |
| Compliance                | RoHs & Reach, CE |
| Read / Read Write         | Read&Write       |
| Operating Temp °C (min)   | -20              |
| Operating Temp °C (max)   | 65               |
| Storage Temp °C (min)     | -20              |
| Storage Temp °C (max)     | 65               |
| Power Supply              | 5V DC            |
| Battery Type              | None             |
| Battery Capacity          | None             |
| Operating Frequency       | LF               |
| Frequency Range           | 125 - 134 kHz    |
| Current Consumption       | 80mA             |
| Power over Ethernet [PoE] | None             |
| Interfaces Physical       | TTL/RS232/RS485  |
| Interfaces Protocol       | ASCII            |
| Transfer rate [Baud]      | 9600             |
| Antenna Ports             | 1                |
| Antenna ext.              | 1                |
| Firmware Update User      | yes              |
| Integrated RFID Reader    | LF               |
| Development Tools         | API              |
| Mounting Method           | Embedd           |

## VARIANTS

| ID             | Variant       |
|----------------|---------------|
| 4005-01-000-00 | LF Read/Write |