# TITAN

**RFID Reader Industry**
**OEM Board**

**PART ID:**
## 4026

LF Multifrequency 125 kHz / 134 kHz Multiprotocol FDX-B / HDX Mid Range RFID OEM Reader Board TITAN 4026 with 1 Antenna Output was developed to connect 1 external antennas from the SIRIUS series and is used by system integrators in applications like animal identification of Live Stock animals in feeding systems. System integrators supporting the waste management industry integrate the OEM RFID reader board in their systems on waste trucks together with the comb- tooth and area antennas to identify waste bins carrying a BIN TAG or PLUG TAG. LF 125 kHz / 134 kHz Mid Range OEM Reader Board TITAN 4026 supports the reading of 125 kHz FDX, 134 kHz HDX RFID TAGs.



### Main Specifications

| | |
|---|---|
| Frequencies | **LF** HF UHF |
| Material | FR4 |
| Operating Temperature | -20°C to 65°C |
| IP Class | Not Specified |
| Compliance | RoHs & Reach, CE |
| Key Features | Command Interpreter, ASK/FSK Modulation, Automatic Read Mode, Antenna Tuning Onboard |

## Full Specifications

| | |
|---|---|
| Product ID | 4026 |
| Name | TITAN |
| Material | FR4 |
| Shape | Mid Range |
| Long Description | LF Multifrequency 125 kHz / 134 kHz Multiprotocol FDX-B / HDX Mid Range RFID OEM Reader Board TITAN 4026 with 1 Antenna Output was developed to connect 1 external antennas from the SIRIUS series and is used by system integrators in applications like animal identification of Live Stock animals in feeding systems. System integrators supporting the waste management industry integrate the OEM RFID reader board in their systems on waste trucks together with the comb- tooth and area antennas to identify waste bins carrying a BIN TAG or PLUG TAG. LF 125 kHz / 134 kHz Mid Range OEM Reader Board TITAN 4026 supports the reading of 125 kHz FDX, 134 kHz HDX RFID TAGs. |
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| | |
|---|---|
| | Antenna Tuning Onboard |
| Comments | Read/Write Ready Board |
| Article Type | OEM Board |
| Color | Green |
| Length [mm] | 115 |
| Width [mm] | 70 |
| Thickness [mm] | 12 |
| Weight [g] | 53 |
| 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 |
| Typical Reading Range | 300-500mm |
| Supported Standards / Tags | EM410x, FDX-B, HDX |
| Operating Temp °C (min) | -20 |
| Operating Temp °C (max) | 65 |
| Storage Temp °C (min) | -20 |
| Storage Temp °C (max) | 65 |
| Power Supply | 12...32V DC |
| Battery Type | None |
| Battery Capacity | None |
| Operating Frequency | LF |
| Frequency Range | 125 - 134 kHz |
| Current Consumption | 230mA |
| Interfaces Physical | TTL/RS232/RS485 |
| Interfaces Protocol | ASCII |
| Transfer rate [Baud] | 9600 |
| Antenna Ports | 1 |
| Antenna ext. | 1 |
| GPIO | 4 |
| Number of Input | 2 |
| Number of Output | 2 |
| Connection | Terminal Clamps |
| Status [Display,LED] | 3 |
| Customized Programming | None |
| Development Tools | API |
| Mounting Method | Screw M4 |

## VARIANTS

| ID | Variant |
|---|---|
| 4026-01-000-00 | LF Read/Write |

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