# ORION

**RFID Reader Industry**
**Desktop**

**PART ID:**
## 4010

The ORION 4010 Industrial USB LF RFID Handgrip Reader /Writer is used by endusers and system integrators in connection with laptops, tablet PCs and desktop PCs in the workshop or at desk in the industrial environment and in the field to read and write RFID TAGs. The device supports most common LF 125 kHz and 134 kHz standard TAGs.

### Main Specifications

| | |
|---|---|
| Frequencies | **LF** HF UHF |
| Material | TPE with PU Potting |
| Operating Temperature | -20°C to 65°C |
| IP Class | IP68 |
| Compliance | RoHs & Reach, CE |
| Key Features | Rough Environment, Durable Housing, ASK/FSK Modulation, Incl. Demo Tools |

## Full Specifications

| | |
|---|---|
| Product ID | 4010 |
| Name | ORION |
| Material | TPE with PU Potting |
| Shape | Short Range |
| Long Description | The ORION 4010 Industrial USB LF RFID Handgrip Reader /Writer is used by endusers and system integrators in connection with laptops, tablet PCs and desktop PCs in the workshop or at desk in the industrial environment and in the field to read and write RFID TAGs. The device supports most common LF 125 kHz and 134 kHz standard TAGs. |
| Key Features | Rough Environment, Durable Housing, ASK/FSK Modulation, Incl. Demo Tools |
| Article Type | Desktop |
| Color | Black |
| Length [mm] | 160 |
| Thickness [mm] | 50 |
| Weight [g] | 300 |
| IP Class | IP68 |

© TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use
of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.
Where application information is given, it is only advisory and does not form part of the specification.



TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10

| | |
|---|---|
| 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 | 80mm |
| Supported Standards / Tags | EM4200, FDX-B, HDX, Hitag1/2/S, 5577, EM4305,EM4450 |
| Operating Temp °C (min) | -20 |
| Operating Temp °C (max) | 65 |
| Storage Temp °C (min) | -20 |
| Storage Temp °C (max) | 65 |
| Power Supply | USB |
| Battery Type | None |
| Battery Capacity | None |
| Operating Frequency | LF |
| Frequency Range | 125 - 134 kHz |
| Current Consumption | 100mA |
| Power over Ethernet [PoE] | None |
| Interfaces Physical | USB |
| Interfaces Protocol | ASCII |
| Transfer rate [Baud] | 9600 |
| Antenna Ports | 1 |
| Antenna int. | 1 |
| Firmware Update User | yes |
| Integrated RFID Reader | LF |
| Development Tools | API/Demo/Source |
| Mounting Method | Handgrip |

## VARIANTS

| ID | Variant |
|---|---|
| 4010-01-000-00 | LF Handgrip Read/Write |

© TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use
of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.
Where application information is given, it is only advisory and does not form part of the specification.



TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10