

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           | <div> <div>LF</div> <div>HF</div> <div>UHF</div> </div>                  |
| 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 | <p>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.</p> |
| 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                                                                                                                                                                                                                                                                                                                                                |

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|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| 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 |