

ORION  
RFID Reader Industry  
Desktop

PART ID:  
**4011**

The ORION 4011 Industrial USB LF Desktop 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           | <b>LF</b> HF UHF                                         |
| Material              | ABS                                                      |
| Operating Temperature | -20°C to 65°C                                            |
| IP Class              | IP40                                                     |
| Compliance            | RoHs & Reach, CE                                         |
| Key Features          | Desktop Housing, Simple ASCII Protocol, Incl. Demo Tools |



Full Specifications

|                  |                                                                                                                                                                                                                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product ID       | 4011                                                                                                                                                                                                                                                                                                                    |
| Name             | ORION                                                                                                                                                                                                                                                                                                                   |
| Material         | ABS                                                                                                                                                                                                                                                                                                                     |
| Shape            | Short Range                                                                                                                                                                                                                                                                                                             |
| Long Description | The ORION 4011 Industrial USB LF Desktop 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     | Desktop Housing, Simple ASCII Protocol, Incl. Demo Tools                                                                                                                                                                                                                                                                |
| Main Use         | Desktop Reader                                                                                                                                                                                                                                                                                                          |
| Article Type     | Desktop                                                                                                                                                                                                                                                                                                                 |
| Color            | Grey                                                                                                                                                                                                                                                                                                                    |
| Length [mm]      | 146                                                                                                                                                                                                                                                                                                                     |
| Width [mm]       | 75                                                                                                                                                                                                                                                                                                                      |
| Thickness [mm]   | 34                                                                                                                                                                                                                                                                                                                      |
| Weight [g]       | 260                                                                                                                                                                                                                                                                                                                     |
| IP Class         | IP40                                                                                                                                                                                                                                                                                                                    |
| PCB Material     | FR4                                                                                                                                                                                                                                                                                                                     |

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|                            |                                                     |
|----------------------------|-----------------------------------------------------|
| Chemical Resistance        | Not Specified                                       |
| Flame Resistance           | Not Specified                                       |
| Mechanical Resistance      | Not Specified                                       |
| Compliance                 | RoHs & Reach, CE                                    |
| Read / Read Write          | Read&Write                                          |
| Typical Reading Range      | 50mm                                                |
| 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                                               |
| 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            | Desktop                                             |

## VARIANTS

| ID             | Variant           |
|----------------|-------------------|
| 4011-01-000-00 | LF USB Reader HDX |