The SR 3000 V2 is a Stationary Reader for ISO 11784/11785 transponders with exceptionally good RFID performance. It comes with a range of panel antennas and can read and control two inputs and outputs. It is designed for easy integration by OEM’s and System Integrators.

The SR 3000 V2 replaces the powerful SR 3000 (V1). Just like the V1, the V2 is equipped with standardized computer interface to suit both RS232 interface with a PC or other serial device, as well as addressable interface on a RS485 field bus.

The 2 inputs are equipped with pull-up resistors and can be used e.g. for detecting a gate switch or photo cell. The 2 solid state outputs can be used e.g. to operate relays or actuators. A simple communication protocol sets and reads the I/O’s and can also switch on/off the HF-field.

The integrated auto-tuning warrants optimum identification in dynamic environments, even when the antenna environment changes due to (unexpected) external circumstances.

The DSP-algorithm is fine-tuned for optimum RFID performance with both FDX-B and HDX transponders. The DSP-software can be (re)loaded from a PC to embed latest RFID and noise cancellation algorithms.

**RFID**
134.2 kHz
Reads HDX and FDX-B transponder according to ISO 11784/11785
DSP processor for enhanced RFID performance
Antenna automatically (re-)tunes to compensate changes in antenna environment

**SR3000 V2 Stationary Antenna’s**
- SA SR3000 S 30 x 30 cm.
- SA SR3000 M 40 x 60 cm.
- SA SR3000 L 60 x 150 cm.
- SA SR3000 XL 80 x 120 cm.
SA SR 3000 antenna’s designed for permanent outdoor installation. Install protected from direct rain ingress and sunlight

**Power Supply and dimensions**
- Power Supply 12V*, < 3Amp **
- Dimensions 25.0 x 17.5 x 7.5 cm.
- Enclosure IP 65
- Operating temp. -20ºC ... +55ºC
  * Use PS SR3000 for verifiable RFID performance!
  ** When 2 outputs switched-off

Improvements SR3000 V2 compared to SR3000 (V1)
- Improved auto-tuning accuracy for optimum antenna voltage
- Significantly improved ISO FDX-B and HDX reading performance
- Larger Power Supply range (11-30 VDC)
- Enhanced self-diagnostics features

Designed for easy integration by OEM’s and System Integrators
The SR 3000 V2 is pin- and software compatible with the SR3000 (V1)
**Single Reader configuration**

**SR3000 V2**

- RS232 (max. 2.5 m.) or RS485 (max. 1,000 m.)
- Max. 1.5m

**SA SR3000**

- 100-240VAC
- 50/60Hz

**PS SR3000**

- 12V DC

**Multiple Reader configuration**

- SR1
- SR2
- SR3
- SRn, n=max 16

- RS485 communication
- Max. length first-last node = 1,000 m.

- RS485 Master/Slave synchronization, max. length first-last node = 200 m.

**I/O configuration**

<table>
<thead>
<tr>
<th>12VDC</th>
<th>Output 1</th>
<th>+12V</th>
<th>Output 1 and 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS232 communication</td>
<td>Input 1</td>
<td>μProc.</td>
<td>max 1.0 Amp.</td>
</tr>
<tr>
<td>RS485 communication</td>
<td>Output 2</td>
<td>BTS</td>
<td></td>
</tr>
<tr>
<td>RS485 Master/Slave sync. twisted pair shielded cable</td>
<td>Input 2</td>
<td>1k</td>
<td></td>
</tr>
<tr>
<td>Antenna</td>
<td></td>
<td>100k</td>
<td></td>
</tr>
</tbody>
</table>

IP65 housing with sufficient cable inlets
Cable inlets included and pre-mounted