

## Product – Datasheet

### ISO 15693 Long Range Reader "EzScan LRM"

The BrightCard EzScan LRM Long Range Reader is a Read/Write device for ISO15693 transponders (ISO18000-3). The EzScan LRM has also an integrated 4 channel multiplexer for the direct connection of up to 4 antennas. Thanks to the software control of the antenna outputs, it is possible to use it for many different configurations. The EzScan LRM Reader has a maximum output power of 8 Watts. Numerous input and output ports are integrated. The interface is RS232 and USB.



#### General features:

- Status monitoring LCD with backlight
- 4 function buttons for easy starting
- Built-in audio buzzer
- Full EAS and anti-collision support
- Firmware-upgrade via software
- Integrated RF SWR meter
- Real Time Clock with internal thermometer function
- Transient & over-current protected input power
- Full documentation and PC library support for easy integration
- Universal AC/DC Power supply
- Demo software & PC SDK for Windows application development

#### Product specification:

<b>Material:</b>	High strength and resilience extruded aluminium enclosure
<b>Power supply:</b>	12VDC - 1.0A (typical)
<b>Reading range:</b>	up to 1.50m (tag & antenna configuration dependent)
<b>RF Interface:</b>	4 x 50 ohms SMA outputs to external antenna
<b>Host Interfaces:</b>	USB, RS232 (up to 115.2 K-baud)
<b>LCD display:</b>	16 x 2 characters LCD (backlighted)
<b>User Interface:</b>	1 x Audio buzzer 4 x Function buttons
<b>I/O ports:</b>	3 x opto isolation input ports 2 x open drain output: 1 x solid state relay
<b>Switching specification:</b>	8 Watts (Max. switching power) < 150 ms (Switching speed) 0.5dB (Max. attenuation)
<b>Supported transponders:</b>	Supports all major ISO15693 transponders Infineon my-d TI Tag-it HFI NXP I-CODE Legic Advant ATCxx – MV (UID only)
<b>Operating frequency:</b>	13.56 MHz
<b>Temperature range:</b>	-10°C up to 60°C
<b>Weight:</b>	670 g
<b>Dimensions:</b>	180 x 115 x 40mm
<b>Order number:</b>	R-EZ-LRM

Technology by:

**iD TRONIC**  
Electronic Identification