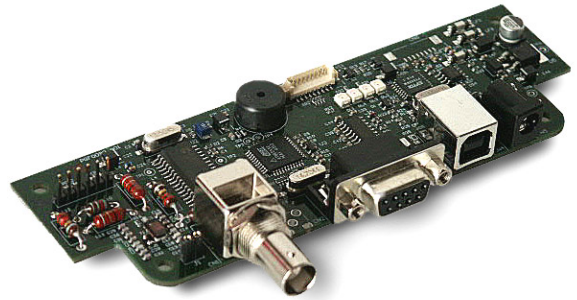


### Basic proximity RFID reader ISO 15693/14443



Board	Dimensions	143 x 48 mm (max, excluding connectors)
Power Supply	Supply voltage	+12 V DC or +5 V DC USB power
	Current consumption *	~200 mA with active RF
	Connectors	Standard DC jack or USB (B type)
RF	Frequency	13,56 MHz
	RF Power	~ 150 mW
	Connectors for ext. 50 Ω antenna	<ul style="list-style-type: none"> <li>- on-board 2-pin</li> <li>- BNC female</li> <li>- SMA female</li> </ul>
	Supported Protocols (RW)	<ul style="list-style-type: none"> <li>- ISO 15693</li> <li>- ISO 14443 A - Mifare® Standard &amp; Ultralight family</li> <li>- ISO 14443 B - ST SRI family</li> </ul>
	Security	Internal storage of 32 write-only mifare keys
	Reading range * Approx. up to 18 cm ISO15693, up to 8 cm ISO14443	
Microcontroller	Type	RISC 8 bit
	Flash	32 KB
	RAM	2 KB SRAM
	EEPROM	1 KB
	Firmware	Upgradeable in-field by USB port
Interfaces	USB	Serial to USB bridge. B Type connector Virtual COM port driver
	Serial RS232	9600 to 115200 baud, 8,n,1; 3 lines (rx, tx, gnd). Female DB9 or 3-pin connector (2.54 step)
I/O	LED	<ul style="list-style-type: none"> <li>- Power-on led</li> <li>- USB RX/TX activity</li> <li>- General purpose led</li> </ul>
	Buzzer	Piezoelectric
	Digital I/O	2 lines (require customization)
SDK	Comm. protocol	Full documentation
	Libraries & docs	C, C#.net, Java binaries and sources
	Demo applications	Reader Control Panel, Card ID, Scan Manager
Firmware	Upgradeable	In-field by serial port
	Operating modes	Host controlled, automatic scan.

\* depends on antenna type, tag size and environment

LAB ID reserves the right to change or to discontinue its products at any time without notice.

For more information, contact the sales office. Contacts can be found on our web site at <http://www.lab-id.com>