Features

General

■	Operating frequency (HF)	13.56 MHz
■	Operating frequency (LF)	125KHz
■	Transponders (HF)	
	ISO15693/ISO14443 / I-CODE/ Mifare	
■	Transponders (LF)	
	Unique/H4102/ TK5557/TK5567/ Q5	
■	RF transmitting power	100mW
■	Approx. read range (LF)	*max 12 cm
■	Approx. read range (HF)	*max 6 cm
■	Supported Connection	TCP/IP 10/100MHz
■		Sure Connection ™
■		RJ45 Connector
■		RS232 Up to 38400Baud
■		RS485 Up to 38400Baud
■	Input	2 with Galvanic Isolation
■	Output	2 Relè (2 pole Change over)
■		Buzzer
■	Power	12/24V DC/AC
■	Current consumption	max. 140 mA
■	Real Time Clock with battery backup	
■	Operation modes	Polling-Mode & Scan
		Mode
■	Antennas (HF)	External
■	Antennas (LF)	External
■	Optical indicators	RJ45 Link
		RJ45 Tx/Rx
		Status LED
■	Driver Support	
	- Windows XP/VISTA 32 Bit	
	- Windows DLLs, API and PC driver available	
	* Using ISO TAG	

RoHS

(Fully RoHS (2002/95/CE) Compliant).
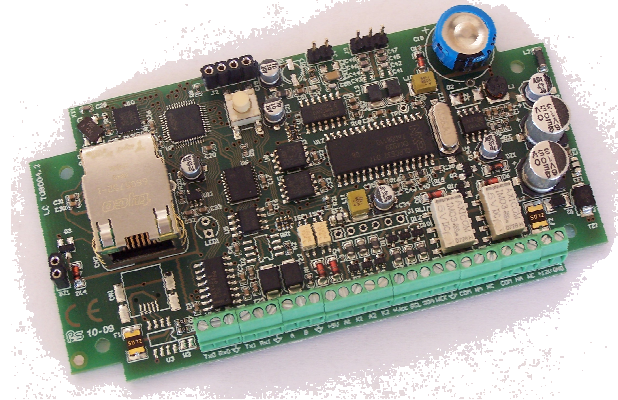
The **IDSOFT OEM** is an Embedded RFID board for both 125KHz and 13.56MHz frequencies.

It interfaces with a TCP/IP 10-100MHz connection and is stable and secure thanks to **TechSigno**'s *SureConnection™* technology that ensures the availability and five9 type connection even in environments that experience hogh electrical disturbance.

Optionally the board can be interfaced with both RS232 and RS485 ports making it possible to utilize portions of the *SureConnection™* Technology.

The wide range of power supply input voltages, and the capability for interface directly on the field with both opto-isolated inputs and relay outputs, as well as the capability to display information, make this a board suitable for many different applications.

The communication protocol is opened, configurable and managed by DLL libraries (supplied with the board) that permit quick use in the field. The package is complete with a series of accessories such as antennas and displays that can satisfy the most varied needs

TECHSIGNO
SMART & GREEN

IDSOFT OEM

SureConnection™

The *SureConnection™* Technology was developed by **TechSigno** to allow a reliable TCP/IP connection even in highly disturbed environments (like in the industrial and transportation fields). Two techniques are used to increase the reliability of the connection that work at board and system levels.

The first is a check performed on the overall system that allows the card to restart to its initial state following any systemic block.

The second is a local check on the connection, if this connection does not meet the timelines set, the connection is broken thus allowing the management of erroneous and/or unwanted connections.

Mechanical and Electrical informations

Dimensioni	108 x 57 x 17 mm
Weight	**<**gr. 150
Supply voltage	12/24V DC/AC
Current	140mA (12V)
Temperature range	
Operation	0 °C up to 50 °C
Storage	–40 °C up to 85 °C
Relative air humidity	95% (non-condensing)

Options

Standard, Conformal Coating, Extended Range

Accessories

Kit antenna Remota LF/HF	ANT-MX-001
Kit Display LCD	DSP-ID-001
SDK	IDSOEM-SDK

Order Code

IOE-LH-001	Standard
IOE-LH-C01	Conformal Coating
IOE-LH-E01	Extended Range

IT IS POSSIBLE TO MOVE FROM STANDARD TO INDIVIDUAL SOLUTIONS WITH OUR "COMPREHENSIVE SERVICES".

CONTACT US FOR ANY FURTHER DETAILS ON THIS.

About Us

TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

AUTHORIZED DISTRIBUTOR

MADE IN UE

Ver. 1.0 En

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