

OEM Multitag

Thanks to its long-term experience and attentive to the needs of the market, SOLTEC has developed OEM Multitag, a new innovative range of devices..

OEM Multitag was designed by SOLTEC engineers in order to be integrated into equipment that require RFID technology with different working frequencies (LF - HF - UHF).

OEM Multitag integrates all controls, communicates via serial line and allows the complete management of different types of transponder.



"the **flexible and affective** solution for **dynamic companies**"

Applications:

- Access Control
- Payments systems
- Industrial automation
- Parking
- Logistics
- Robotics

SOLTEC product line OEM Multitag ensures:

- LF, HF and UHF technology compatible pin-out
- modules compatibles and switchable
- compatibility of communication protocol
- easy switching between technologies: only the module changes, while the carrier stays the same

General Characteristics

- External antenna
- Upgradeable firmware
- Two configurable inputs/outputs
- Two signaling LED
- Testing and configuration software
- ANSI software library
- certified product according to local regulations
- NFC technology

OEM Multitag - Devices

SOLTEC offers a diversified range of OEM Multitag device sfor each frequency (LF - HF - UHF), the devices differ for supply voltage, interface and protocol.

LF - 125 kHz Devices

Dimensions: 30.5x25.5x 5.0 mm – Supported transponder: EM410x, EM4x50, Hitag1, HitagS, T5557, Q5 – Reading distance: up to 23 cm – Connections: 2.54 mm pitch solder strip – Temperature range: -35° + 65°



1021L	Supply voltage 5Vdc, serial interface TTL (0 – 5Vdc), BLUEBOX protocol
1022L	Supply voltage 5Vdc, serial interface TTL (0 – 5Vdc), ASCII protocol
1031L	Supply voltage 5Vdc, RS232 interface, BLUEBOX protocol
1032L	Supply voltage 5Vdc, RS232 interface, ASCII protocol
1041L	Supply voltage 12Vdc, RS232 interface, BLUEBOX protocol
1042L	Supply voltage 12Vdc, RS232 interface, ASCII protocol

HF - 13.56 MHz Devices

Dimensions: 30.5x25.5x 5.0 mm – Supported transponder: ISO 15693, ISO 14443A/B – Reading distance: up to 17 cm – Connections: 2.54 mm pitch solder strip – Temperature range: -35° + 65°



1021H	Supply voltage 5Vdc, serial interface TTL, BLUEBOX protocol
1022H	Supply voltage 5Vdc, serial interface TTL, ASCII protocol
1031H	Supply voltage 5Vdc, RS232 interface, BLUEBOX protocol
1032H	Supply voltage 5Vdc, RS232 interface, ASCII protocol
1041H	Supply voltage 12Vdc, RS232 interface, BLUEBOX protocol
1042H	Supply voltage 12Vdc, RS232 interface, ASCII protocol
ISO 14443-A Only	
1051H	Supply voltage 5Vdc, RS232-TTL interface, BLUEBOX protocol
1052H	Supply voltage 5Vdc, RS 232-TTL interface, ASCII protocol

UHF - 840 – 960 MHz Devices

Dimensions: 30.5x38.40x 6.50 mm – Operating frequency: 840 – 960 MHz, adjustable via software - Supported transponder: ISO 18000-6C (EPC Class 1 Gen2) – Reading distance: fino a 1.5 m – Connection: 2.54 mm pitch solder strip – Temperature range: -35° + 65°



1021U	Supply voltage 5Vdc, RS232-TTL (0 – 5V) interface.
1031U	Supply voltage 5Vdc, RS232 interface

OEM Multitag - LF Antennas

SOLTEC has developed a proposal for antennas to match the OEM Multitag devices

LF Antennas		
	1501L	Air core circular loop antenna, dimensions Ø30 mm
	1502L	Ferrite core circular loop antenna, dimensions Ø 10x10 mm
	1503L	Air core rectangular antenna, dimensions 38x44 mm
	1504L	Air core circular loop antenna, dimensions Ø68 mm
	1505L	Air core rectangular antenna, dimensions 78x137 mm

OEM Multitag - HF Antennas

HF Antennas		
	1501H	PCB Antenna, dimensions 70x70 mm
	1502H	PCB Antenna, dimensions 35x25 mm
	1504H	PCB Antenna, dimensions 253x70 mm
	1505H	PCB Antenna, dimensions 78x62 mm
	1506H	Double PCB rectangular Antenna, dimensions 198x46.5 mm
	1507H	PCB Antenna, dimensions 78x74 mm

OEM Multitag - RTU

Ready To Use

OEM Multitag RTU (Ready To Use) of SOLTEC is the evolution of OEM MULTITAG line that integrates in a single solution the reader and antenna.

A unique and functional item that retains the characteristics of compatibility and efficiency of OEM Multitag devices, increasing the compactness and application possibilities.

OEM Multitag RTU of SOLTEC is the solution designed specifically to meet the needs of customers who require a flexible and userfriendly.

SOLTEC product line OEM Multitag ensures:

- LF, HF and UHF technology compatible pin-out
- modules compatibles and switchable
- compatibility of communication protocol
- easy switching between technologies: only the module changes, while the carrier stays the same

General Characteristics

- Integrated antenna
- Upgradeable firmware
- Two configurable inputs/outputs
- Two signaling LED
- Testing and configuration software
- ANSI software library
- Certified product according to local regulations
- NFC technology



"OEM Multitag RTU: a single item for multiple application"

Applications:

- Access Control

- Payments systems
- Industrial automation

OEM Multitag - RTU

SOLTEC offers a diverse range of OEM Multitag RTU devices for the LF and HF frequencies. The devices differ in the supply voltage, interface and protocol.

Ready To Use - RTU - LF 125 kHz		
	1071L	Supply voltage 5Vdc, RS232-TTL (0-5Vdc) interface, BLUEBOX protocol (dim. 55x77 mm)
	1072L	Supply voltage 5Vdc, RS232-TTL (0-5Vdc) interface, ASCII protocol (dim. 55x77 mm)
	1073L	Supply voltage 5Vdc, RS232 interface, BLUEBOX protocol (dim. 55x77 mm)
	1074L	Supply voltage 5Vdc, RS232 interface, ASCII protocol (dim. 55x77 mm)
	1075L	Supply voltage 5Vdc, RS485 interface, BLUEBOX protocol (dim. 55x77 mm)
	1076L	Supply voltage 5Vdc, RS485 interface, ASCII protocol (dim. 55x77 mm)
	1077L	Supply voltage 12Vdc, RS232 interface, BLUEBOX protocol (dim. 55x77 mm)
	1078L	Supply voltage 12Vdc, RS232 interface, ASCII protocol (dim. 55x77 mm)
Ready To Use - RTU - LF 125 kHz – Flush-mounted 503 reader (3 modules)		
	1079L	Supply voltage 12Vdc, RS232 interface, BLUEBOX protocol
	1080L	Supply voltage 12Vdc, RS485 interface, BLUEBOX protocol
Ready To Use - RTU - HF 13.56 MHz		
	Versione ISO 14443A/B – ISO 15693	
	1071H	Supply voltage 5Vdc, RS232-TTL interface, BLUEBOX protocol (antenna 55x70 mm)
	1072H	Supply voltage 5Vdc, RS232-TTL interface, ASCII protocol (antenna 55x70 mm)
	1073H	Supply voltage 5Vdc, RS232 interface, BLUEBOX protocol (antenna 55x70 mm)
	1074H	Supply voltage 5Vdc, RS232 interface, ASCII protocol (antenna 55x70 mm)
	1075H	Supply voltage 5Vdc, RS485 interfaccia, BLUEBOX protocol (antenna 55x70 mm)
	1076H	Supply voltage 5Vdc, RS485 interfaccia, ASCII protocol (antenna 55x70 mm)
	1077H	Supply voltage 12Vdc, RS232 interface, BLUEBOX protocol (antenna 55x70 mm)
	1078H	Supply voltage 12Vdc, RS232 interface, ASCII protocol (antenna 55x70 mm)
	Versione ISO 14443-A Only	
	1081H	Supply voltage 5Vdc, RS232-TTL interface, BLUEBOX protocol
	1082H	Supply voltage 5Vdc, RS232-TTL interface, ASCII protocol
	1083H	Supply voltage 5Vdc, RS232 interface, BLUEBOX protocol
	1084H	Supply voltage 5Vdc, RS232 interface, ASCII protocol
	1085H	Supply voltage 5Vdc, RS485 interface, BLUEBOX protocol
	1086H	Supply voltage 5Vdc, RS485 interface, ASCII protocol
Ready To Use - RTU - HF 13.56 MHz – Flush-mounted 503 reader (3 modules)		
	Versione ISO 14443A/B – ISO 15693	
	1079H	Supply voltage 12Vdc, RS232 interface, BLUEBOX protocol – Multitag
	1080H	Supply voltage 12Vdc, RS485 interface, BLUEBOX protocol – Multitag
	1087H	Supply voltage 12Vdc, RS232 interface, BLUEBOX protocol – Mifare Easy
	1088H	Supply voltage 12Vdc, RS485 interface, BLUEBOX protocol – Mifare Easy

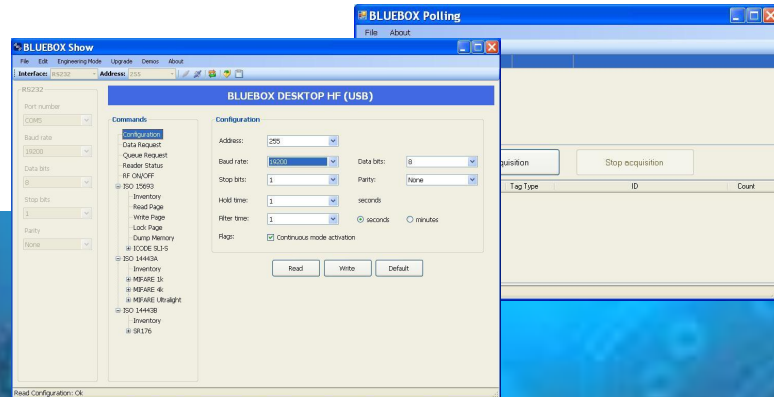
BLUEBOX SDK

Software Development Kit

BLUEBOX SDK

BLUEBOX SDK provides an ANSI C library and software for the use and configuration devices BLUEBOX. The library is available in the following formats

- Win32 DLL (provides BLUEBOXLib.lib for Microsoft Visual C++ 6.0).
- x64 DLL (provides BLUEBOXLib.lib for Microsoft Visual C++ 6.0).

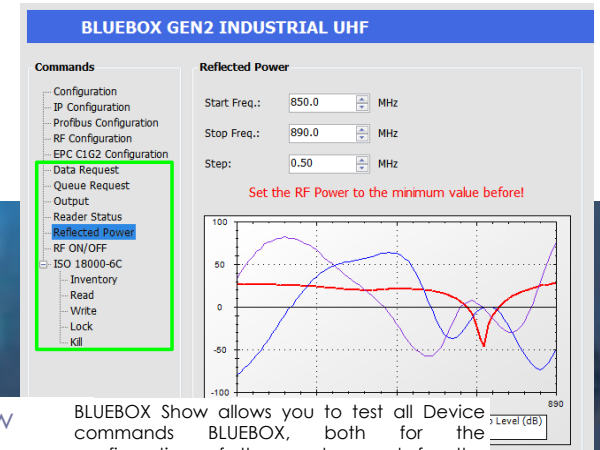


BLUEBOX Show

Software BLUEBOX Show

Il software BLUEBOX Show

The software "BLUEBOX Show" provides a simple interface to configure RFID devices BLUEBOX.



BLUEBOX Show allows you to test all Device commands BLUEBOX, both for the configuration of the readers and for the management RFID transponder.

BLUEBOX Show can be used as starting point for understanding the communication protocol BLUEBOX

easy way to technology

