

RFID Developer Kit (2010-05)

I **Developer KIT RFID** contengono il necessario per sperimentare le tecnologie di Identificazione Automatica in Radio Frequenza: apparati, transponder RFID, dettagliata documentazione tecnica, librerie SDK (Software Developer Kit), driver, software di esempio e test; il CD-ROM allegato contiene inoltre letteratura informativa sulle tecnologie RFID di Softwork e casi applicativi.

Bonus Formazione: quale ulteriore incentivo, Softwork prevede per l'Azienda che acquista uno dei suoi **RFID Developer Kit** un **bonus di € 150** (non cumulabile) sul costo di partecipazione ad uno dei [Corsi di Formazione RFID di Softwork](#).

Developer Kit RFId Passivi HF (13,56 MHz)

Tag Transponder RFID HF Sample Kit:



Il Sample Kit è la strada ideale per sperimentare le varie soluzioni disponibili in banda HF, contiene un mix di 100 Tag Transponder HF 13,56 Mhz.

Formati: Wet Inlay (54x86), Paper Label (18x36, 24x44, 43x43, 54x86), Film Label (33x66), Paper Ticket (54x86), PVC Badge (54x86), Epoxy Disc Tag 16 mm, KeyFob.

OEM Module CPR40.00 Series (ISO 14443-A/-B & NFC) with internal Antenna Kit (3 interface options):



- **1 x CPR40.00-XXX Reader module** with internal antenna for reading and writing passiv transponder according ISO 14443-A/-B and suitable for communication with NFC devices (ISO 18092) (memory and processor cards) for application like Access Control, ePayment, eTicketing, Public Transport etc.

Option Models:

- **CPR40.00-UCD:** USB, RS232-TTL & dataclock interface (Cod.3093-000-00).
- **CPR40.00-CD:** RS232-LVTTL (3,3V) & dataclock interface (Cod.3094-000-00)
- **CPR40.00-A** - RS232 interface (Cod.3096-000-00).

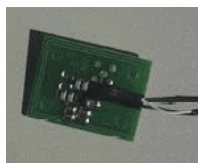
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 14443-A (Mifare) 13,56 Mhz per test.

OEM Module CPR.M02.VP/AB-C USB (MultiISO) Kit:



- **1 x CPR.M02.VP/AB-C** Vicinity/Proximity Reader Module (ISO15693, ISO14443-A/B & NFC). Integrated Antenna. Serial interface RS232-TTL High Speed for ticketing (up to 230.400 baud). (Cod. 2872-000-00).
- **1 x CO.TTL/USB. PCB OEM converter** from TTL to USB for CPR.M02 & ISC.M02 (Cod. 9916-000-50)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

OEM Module CPR.M02.VP/AB-CA (MultiISO) + ANT 40x30 USB Kit:



- **1 x CPR.M02.VP/AB-CA** Vicinity/Proximity Reader Module (ISO15693, ISO14443-A/B & NFC) for external 50 Ohm Antennas. Serial interface RS232-TTL High Speed for ticketing (up to 230.400 baud). Data-/clock-interface. (Cod. 2873-000-00).
- **1 x ISC.ANT40/30-A** 50 Ohm Antenna (Cod. 1967-000-00)
- **1 x CO.TTL/USB. PCB OEM converter** from TTL to USB for CPR.M02 & ISC.M02 (Cod. 9916-000-50)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Desktop Reader USB CPR40.30-U (ISO 14443-A/-B & NFC) Kit:



- **1 x CPR40.30-U Desktop Reader** with USB interface for reading and writing passiv transponder according ISO 14443-A/-B and suitable for communication with NFC devices (ISO 18092) (memory and processor cards) for application like Access Control, ePayment, eTicketing, Public Transport etc. (Cod. 2988-000-00).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 14443-A (Mifare) 13,56 Mhz per test.

Controller CPR02.10-B Wall Mount Multi ISO (ISO14443-A/B, ISO15693 & NFC) for Access Control (RS485, I/O & relay) Kit:



- **1 x CPR02.10-B Vicinity/Proximity Wall Mount Reader** (RS485 & Relay) with surface spacer include. New housing front acrylic glass. Wall installation: 84x84x23 mm. Surface installation: 84x84x43 mm. For reading and writing transponder according ISO 14443-A/-B and 15693 transponder and suitable for communication with NFC devices (ISO 18092) (memory and processor cards). Interface: RS485 (32 devices/data bus). Relay 1 closer. Digital inputs: 2 (max. cable length 3 m). Protection class IP 54. MTBF: 338.000h. Application like Access Control, ePayment, eTicketing, Public Transport etc. (Cod. 2985-000-00).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Controller CPR50.10-E Ethernet Wall Mount Multi ISO (ISO14443-A/B, ISO15693 & NFC) for Access Control (LAN PoE) Kit:



**Novità
Lan Version PoE**

- **1 x CPR50.10-E Ethernet Wall Mount Controller.** New housing front acrylic glass. Wall installation: 84x84x23 mm. Surface installation: 84x84x43 mm. For reading and writing transponder according ISO 14443-A/-B and 15693 transponder and suitable for communication with NFC devices (ISO 18092 - memory and processor cards). Interface: Ethernet (10BASE-T /100 BASE-TX). Automatic MDI/MDI-X Cross over correction, TCP/IP. Power over Ethernet (PoE) IEEE802.3af (44 V bis 54V DC). Protection class IP 54. MTBF: 338.000h. Application like Access Control, ePayment, eTicketing, Public Transport etc. Option: ID CPR.I/O-A (1 x Relay & 2 digital input). (Cod. 3361-000-00).
- **1 x CPR.I/O-A Extension I/O board** for CPR50.10-E & MAX50.10-E. Output: 1 x Re-lay. Digital inputs: 2 (max. cable length 3 m). (Cod. 3420-000-00)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Controller MAX50.10-RE Ethernet Wall Mount Stand Alone Multi ISO (ISO14443-A/B, ISO15693 & NFC) for Access Control (LAN PoE) Kit:



**Novità
Lan Version PoE
Stand Alone**

- **1 x MAX50.10-RE Ethernet Wall Mount Reader for Stand Alone Access Control & Relay output.** New housing front acrylic glass with surface spacer include. Wall installation: 84x84x23 mm. Surface installation: 84x84x43 mm. For reading and writing transponder according ISO 14443-A/-B and 15693 transponder and suitable for communication with NFC devices (ISO 18092 - memory and processor cards). Interface: Ethernet (10BASE-T /100 BASE-TX). Automatic MDI/MDI-X Cross over correction, TCP/IP. Power over Ethernet (PoE) IEEE802.3af (44 V bis 54V DC). **Memory: 64 kByte nonvolatile RAM for Offline management of about 5000 User. Feature: Local intelligence, Offline access decisions, Real Time Clock, 16 time zones.** Protection class IP 54. MTBF: 338.000h. Application like Access Control, ePayment, eTicketing, Public Transport etc. (Cod. 3434-000-00).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Mini Proximity CPR.PR50-USB Multi ISO (ISO14443-A/B, ISO15693 & NFC) Kit:



- **1 x CPR.PR50-USB NFC.** Multi-ISO MiniProximity Reader (ISO14443-A/B, ISO15693 & NFC) in case with internal antenna. High Speed for ticketing (up to 230.400 baud). Interface: USB. Cable 1,5 mt. Range up to 12 cm. (Cod. 9916-000-01).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Mini Mid Range CPR.MR50-USB Multi ISO (ISO14443-A/B, ISO15693 & NFC) Kit:



- **1 x CPR.MR50-USB NFC for external antenna.** Multi-ISO Mini Mid-Range Reader (ISO14443-A/B, ISO15693 & NFC) in case for external antenna (not included). High Speed for ticketing (up to 230.400 baud). Interface: USB. Cable 1,5 mt. Range up to 26 cm. (Cod. 9916-001-01)
- **1 x ISC.ANT-PAD.** Work-Tag OEM Paddle Antenna A140/140. Power from 0,25 to 1 watt. Connection SMA-plug. (Cod. 9140-100-00)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

SDiD 1020 - Secure Digital RFID Card HF Multi ISO (only card):



- **1 x WD SDiD 1020 - Secure Digital RFID Card HF Multi ISO (ISO 15693 & ISO 14443A).** Frequency: 13.56 MHz HF Band. Controller per PDA interfaccia Secure Digital (SDIO v. 1.10). Terminals with SDIO enabled SD Card slots: Microsoft Pocket PC, Win Mobile 2003, Win Mobile 5.0 and 6.0, Supports Palm OS 4.1 and up. Led indication for standby, search and data communications. **Development Kit & SDK not included.** (Cod. 9916-SD1020)

Development Kit for SDiD 1020 – with Secure Digital RFID Card HF:



- **1 x Development Kit for Secure Digital RFID Card SDiD 1020. Include:**
- **SDiD 1020 Secure Digital RFID Card** (P.N. 9916-SD1020), two RFID tags, SDK Software Developer Kit with binaries, header files, drivers, demo applications and sample applications with full source code. The SDK delivers a powerful & simple Application Programming Interface (API) which greatly reduces the learning curve and simplifies the overall development process. Inclusa Licenza SDK Una Tantum per sviluppo e distribuzione applicativi. (Cod.9916-SD1020-DK).

Hand-Held Reader PRH101-USB Kit:



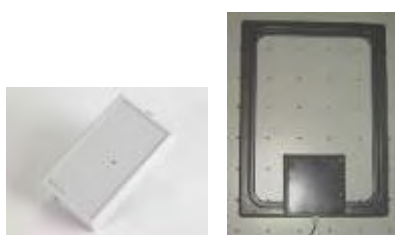
- **1 x ISC.PRH101-USB Hand-Held Reader.** Hand-held Reader for 13.56 MHz Smart Label with 2.5 m cable connection. Power supply via USB (Cod. 1524.001.01).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

MidRange Reader MR101 RS232 (o USB) + Pad Antenna Kit:



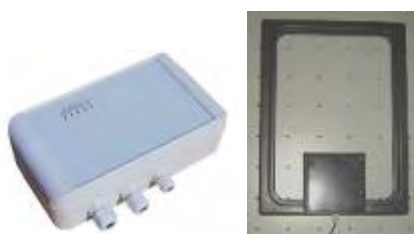
- **1 x ISC.MR101-A Mid Range Reader.** Mid Range Reader for Smart Label in case for connection to external antenna. Interface: RS232/485 (Cod. 1638.000.01).
- **1 x NET.12V-A Power Supply12V** - mod.A (Cod. 1688.000.00).
- ID CAB.RS-A Cable for RS232/485 and Power Supply (Cod. 1690.000.00)
- **1 x ISC.ANT340/240 Pad Antenna** (Cod. 1663.000.00)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Mid Range Reader MR101-A RS232 (o USB) + Industrial Ant. 650x500 Kit:



- **1 x ISC.MR101-A Mid Range Reader.** Mid Range Reader for Smart Label in case for connection to external antenna. Interface: RS232/485 (Cod. 1638.000.01).
- **1 x NET.12V-A Power Supply 12V** - mod.A (Cod. 1688.000.00).
- ID CAB.RS-A Cable for RS232 & Power. (Cod. 1690.000.00)
- **1 x ISC.ANT 650x500-M ABS Industrial Antenna** (industrial IP 65) - Manual Tuning (Cod. 9451-000-00)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Industrial Ethernet Mid Range Reader MR200-EP + Industrial Antenna 650x500 Kit:



- **1 x ISC.MR200-EP Industrial Ethernet** Mid Range Reader Plastic Housing. Protection class: IP54. RF power: 1,0W or 1,7W. Host Interfaces: Lan Ethernet RJ45 (10/100). Buffering & Filtering. Digital I/O & Relè. (Cod. 2816-000-01)
- **1 x NET.12V-A Power Supply12V** - mod.A (Cod. 1688.000.00)
- ID ISC.ANT 650x500-M ABS Industrial Antenna (industrial IP 65) - Manual Tuning (Cod. 9451-000-00)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Long Range System LR2000A + Ind. Antenna 800x600 DAT Kit:



- **1 x ISC.LR2000A Long Range Reader HP.** New Long Range Multi-tag Controller in case. Protection: IP54. HF power: 4 to 12 Watt. Interfaces: RS232/485, Ethernet RJ45 and WiFi (optional). RF Diagnostics. (Cod. 1260-020-00).
- **1 x NET.24V-B Industrial Power Supply** Unit (Cod. 2557-000-00).
- ID CAB.NET.24V-B-EU Cable EU Plug (Cod. 2558-000-00).
- **1 x ISC.ANT800/600-DA** Dynamic Auto Tuning Base Antenna (Cod. 1451.008.00)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Clear Gate 3D 1300x680 Auto Tuning System Kit:



- **1 x ID ISC.ANT1300/680-C Clear Gate (Base).** Slim Auto Tuning Gate Antenna. 1 x ID ISC.LRM2000-A Long Range Reader Module, 1 x ID ISC.ANT.MUX.M4 & 1 x ID ISC.DAT-A. (Cod. 3275-000-01).
- **1 x ID ISC.ANT1300/680-A Clear Gate (Ant).** Slim Auto Tuning Gate Antenna. Inclusive: 1 x ID ISC.DAT-A. (Cod. 2932-000-01).
- **1 x ID ISC.ANT.C-A.** HF Extension Antenna Coax Cable. Length: 3.60 meters. (Cod. 2096-000-00).
- **1 x NET.24V-B Power Supply Unit** (Cod. 2557-000-00).
- **1 x CAB.NET.24V-B-EU Cable EU Plug** (Cod. 2558-000-00).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Montaggio, configurazione, tuning e test. Gate RFID passivi HF. Presso nostro Laboratorio (Cod. 2558-000-00).
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Triple Clear Gate 3D 1300x680 Auto Tuning System Kit:



- **1 x ID ISC.ANT1300/680-C Clear Gate (Base).** Slim Auto Tuning Gate Antenna. 1 x ID ISC.LRM2000-A Long Range Reader Module, 1 x ID ISC.ANT.MUX.M4 & 1 x ID ISC.DAT-A. (Cod. 3275-000-01).
- **2 x ID ISC.ANT1300/680-A Clear Gate (Ant).** Slim Auto Tuning Gate Antenna. Inclusive: 1 x ID ISC.DAT-A. (Cod. 2932-000-01).
- **2 x ID ISC.ANT.C-A.** HF Extension Antenna Coax Cable. Length: 3.60 meters. (Cod. 2096-000-00).
- **1 x NET.24V-B Power Supply Unit** (Cod. 2557-000-00).
- **1 x CAB.NET.24V-B-EU Cable EU Plug** (Cod. 2558-000-00).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Montaggio, configurazione, tuning e test. Gate RFID passivi HF. Presso nostro Laboratorio (Cod. 2558-000-00).
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Cristal Gate 3D System 1690x600 Auto Tuning System Kit:



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- **1 x ISC.ANT1690/600-A Crystal Gate (Base).** Auto Tuning 3D Gate Antenna. Inclusive: 1 x ID ISC.LRM2000-A Long Range Reader Module, 1 x ID ISC.ANT.MUX Antenna Multiplexer & 1 x ID ISC.DAT-A Dynamic Antenna Tuning. Alarm light integrated in acrylic transparent plate & acoustic indicator. (Cod. 3532-000-00).
- **1 x ISC.ANT1690/600-B Crystal Gate (Ant).** Complementary Auto Tuning 3D Gate Antenna. Inclusive: 1 x ID ISC.DAT-A Dynamic Antenna Tuning. (Cod. 3533-000-00).
- **1 x NET.24V-B Power Supply Unit** (Cod. 2557-000-00).
- **1 x CAB.NET.24V-B-EU Cable EU Plug** (Cod. 2558-000-00).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Montaggio, configurazione, tuning e test. Gate RFID passivi HF. Presso nostro Laboratorio (Cod. 2558-000-00).
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Developer Kit RFID Passivi UHF (865-928 MHz)

Standard Tag Transponder RFID UHF EPC Sample Kit:



Il Sample Kit è la strada ideale per sperimentare le varie soluzioni disponibili in banda UHF, contiene un mix di 100 Tag Transponder UHF EPC Class1 Gen2.

Formati: Paper Label (vari formati), UHF PVC Badge (54x86), OnMetal UHF (ABS, Label).

Special Hard Tag Transponder RFID UHF EPC Sample Kit:



Transponder UHF EPC Class1 Gen2 per uso speciale by Confidex.

Contiene 5 Tag per ciascuno dei seguenti modelli (tot. 50 pezzi):

OnMetal Hard Tag: Ironside, Survivor, Halo, Steelwave Micro.

Special Tag: Corona (with hole), Pino, On-Metal SteelWING.

Special Label: Cruiser, Carrier, Casey.

UHF OEM Reader Module with 2 antenna output Developer Kit:



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- **1 x ISC.MU02.02-CU UHF OEM Reader Module (RS232-TTL / USB).** Controller OEM module UHF EPC Class 1 Gen 2. Operating frequency: 860 to 960 MHz (software adjust). Dimensions: 50x50x14 mm. RF power: 10 to 170 mW. Power supply: 5 V or via USB. Interfaces: RS232-LVTTL & USB 2.0 (terminal). Antenna conn.: 2 x U.FL. R/W modes: ISO Host & Scan. (Cod. 3478-000-00)
- **1 x CAB.USB-B** USB Cable for ISC.MU02.02-CU. (Cod. 3541-000-00)
- **1 x ISC.ANT.U75/50-EU UHF** near field inductive antenna module 865-868 MHz. (Cod. 3544-000-00)
- **1 x ANT.U10106. RFID OEM PCB Broadband Linear Polarized UHF Antenna**, 860-960MHz range. Dimension 140 x 63 mm. (Cod. 9916-906-00)
- **1 x Antenna Cables Kit.** (Cod. 3540-000-00 & Cod. 9916-950-10)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window (Cod. 9902-001-00)
- Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

RED.PRU50-A/U-NFC - Proximity UHF USB&RS232 Kit:



- **1 x RED.PRU50-A/U-NFC.** RedWave Fixed DeskTop USB/RS232 Proximity Reader UHF (EPC Class 1 Gen 2 & ISO 18000-6B) in case with internal UHF inductive antenna (**proximity coupling for item-level applications**). Host Interfaces: RS232 & USB 2.0. RF Frequency 862-955 MHz. RF power up to 500 mW (from 14 to 27dBm). Read Range up to 15 cm. SDK Software Developer Kit. Included power supply. (Cod. 9916-810-00)
- Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

RED.MRU50-A/U Short Range UHF + Broadband UHF Antenna Kit:



- **1 x RED.MRU50-A/U. REDWave Fixed DeskTop USB/RS232 Short Range Reader UHF** (EPC Class 1 Gen 2 & ISO 18000-6B) in case for external UHF antenna. Antenna port: 1 x SMA-female plug. Host Interfaces: RS232 & USB 2.0. RF Frequency 862-955 MHz. RF power up to 500 mW. Read Range up to 200 cm. SDK Software Developer Kit. Included power supply. (Cod. 9916-820-00)
- **1 x ISC.ANT.U160/160-EU Antenna UHF. Circular polarized Panel Antenna.** Gain: 4,0 dBic @ 866 MHz. Antenna connection SMA socket (50 Ohm). Dimensions (WxHxD): 162x162x16 mm. (Cod. 9916-868-16)
- Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

RED.MRU80-M2-U ReadWave Short Range UHF + 2 x Broadband UHF Antenna multiplexed Kit:



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- **1 x RED.MRU80-M2-U. RedWave Short Range Reader UHF USB** (EPC Class 1 Gen 2 - ISO 18000-6C) in case for 2 external multiplexed UHF antenna (not included). Antenna port: 2 x SMA-female. Host Interfaces: USB 2.0. Operating frequency: 860 to 960 MHz. RF power up to 170 mW. Power supply: via USB (5 Volt). Read Range up to 200 cm. Dimensions: 93x62x27 mm. Reader modes: FEIG ISO Host Mode, Scan Mode. Firmware upgradable. Included USB cable. (Cod. 9916-850-00)
- **2 x ISC.ANT.C2-A UHF Antenna Cable (2 metri).**
- **2 x ISC.ANT.U160/160-EU Antenna UHF. Circular polarized Panel Antenna.** Gain: 4,0 dBic @ 866 MHz. Antenna connection SMA socket (50 Ohm). Dimensions (WxHxD): 162x162x16 mm. (Cod. 9916-868-16)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window. Demo Software. Mix di 20 Tag Transponder HF/UHF EPC per test.

ISC.PRHD102-USB Multi-Frequency (HF/UHF) USB Handheld Controller Kit:



Dual Frequency HF&UHF

- **1 x ISC.PRHD102-USB-EU HF/UHF - USB Handheld Dual Frequency Controller.** Combined HF / UHF Multi-tag Handheld Reader with integrated HF and UHF antenna. Interface: USB (HID, 12 Mbit); 2,5 m cable. Protection class: IP 30. Power supply (max. 500 mA): USB - High Powered Interface. Supported transponders: **HF - ISO 15693, UHF EPC Gen2.** (Cod. 3148-000-00)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window. Demo Software. Mix di 20 Tag Transponder HF/UHF EPC per test.

ISC.PRHD102-B Multi-frequency (HF/UHF) Bluetooth Handheld Controller Kit:



Dual Frequency HF&UHF

- **1 x ISC.PRHD102-B-EU HF/UHF - Bluetooth Handheld Dual Frequency Controller.** Combined HF / UHF Multi-tag Handheld Reader with integrated HF and UHF antenna. Interface: Bluetooth (serial port profile). Protection class: IP 30. Power supply (max. 500 mA): 4 Mignon cells 1,2-1,5 V AA. Supported transponders: **HF - ISO 15693, UHF EPC Gen2.** (Cod. 2994-000-00).
- **1 x CHA.NiMH-A Battery Charger for HH BlueTooth.** (Cod. 2650-000-00).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window. Demo Software. Mix di 20 Tag Transponder HF/UHF EPC per test.

MRU200-E Lan - UHF Mid Range Industrial Controller + 2 Antenne UHF (Mid Range Gate UHF) Kit:



2 X ANT.U270x270

- **1 x ISC.MRU200-E LAN UHF Industrial Mid Range Controller** - Antenna port: 2 x SMA-female multiplexed. Multi-tag Reader ISO 18000 EPC Gen2. Protection class: IP54. Buffering & Filtering Read Mode. Notification Mode. DRM (Dense Reader Mode). Host Interfaces: Lan Ethernet RJ45 (10/100), RS232. Digital I/O & Relè. RF Power: 100-300 mW. (Cod. 2891-000-00).
- **1 x NET.24V-B Power Supply Unit** (Cod. 2557-000-00)
- **1 x CAB.NET.24V-B-EU Cable with European Plug** (Cod. 2558-000-00)
- **2 x ISC.ANT.C2-A UHF Antenna Cable (2 metri).** (Cod. 1654.002.00)
- **2 x ISC.ANT.U270/270-EU Antenna UHF.** Circular polarized Panel Antenna for operating frequencies in the UHF ranges 865-870 MHz (Optimized for EU Region). Gain: 9.0 dBic@866 MHz. Width (3 dB beam): 65° x 65°. Protection class IP65. Antenna connection SMA (50 Ohm). Housing ASA-ABS Light grey. Dimensions (WxHxD): 270x270x57 mm. Weight: 1.210g. (Cod. 3199-000-00)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window. Demo Software. Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

UHF Industrial Long Range High Performance (Novità 2010)

UHF Long Range Reader LRU3500-A-EU (1 Antenna) Kit:



NEW



1 X ANT.U270x270

- **1 x ISC.LRU3500-A-EU Fixed UHF Long Range Reader High Performance.** Frequenza: 860 to 960 MHz EPC Class 1 Gen 2 - ISO 18000-6. High speed anti-collision. DRM (Dense Reader Mode). Interface: RS232, RS485, Ethernet, USB, USB-Host for WLAN dongle or memory. 8 LED for diagnosis & an-tenna status. Outputs: 2 Optocoupler 24 VDC & 3 Relays 24 VDC/1A. Inputs: 5 Optocoupler max. 24 VDC / 20 mA. Antenna connection: 4 x SMA external multiplexed. ACC with Linux operating system for on-board application (64 Mb Ram, 256 Mb Flash). Host protocols: FEIG ISO Host, Scan Mode, Buffered Read Mode, Notification Mode. Low Noise Transmitter & High receiver sensitivity for an enlarged & homogeneous tag detection range. Full support for the UHF Multiplexer ID ISC.ANT.UMUX. Readout of RSSI data for localization of identified transponders. (Cod. 3256-000-00).
- **1 x NET.24V-B** Power Supply Unit (necessita di ID CAB.NET.24V-B-EU Cable with European Plug) (Cod. 2557-000-00)
- **1 x CAB.NET.24V-B-EU** Cable with European Plug (Cod. 2558-000-00)
- **1 x ISC.ANT.U270/270-EU Antenna UHF.** Circular polarized Panel Antenna for operating frequencies in the UHF ranges 865-870 MHz (Optimized for EU Region). Gain: 9.0 dBic@866 MHz. Width (3 dB beam): 65° x 65°. Protection class IP65. Antenna connection SMA (50 Ohm). Housing ASA-ABS Light grey. Dimensions (WxHxD): 270x270x57 mm. Weight: 1.210g. (Cod. 3199-000-00)
- **1 x ISC.ANT.C2-A** UHF Antenna Cable (2 metri). (Cod. 1654.002.00)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window. Demo Software. Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

UHF Logistic Gate Long Range Reader LRU3500-A-EU + 4 Antenne UHF (Gate) Kit:



NEW



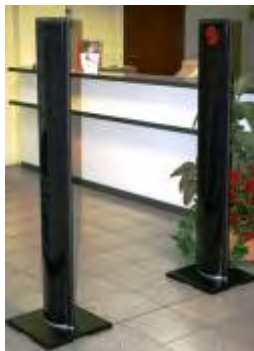
4 X ANT.U270x270

- **1 x ID ISC.LRU3500-A-EU Fixed UHF Long Range Reader High Performance.** Frequenza: 860 to 960 MHz EPC Class 1 Gen 2 - ISO 18000-6. High speed anti-collision. DRM (Dense Reader Mode). Interface: RS232, RS485, Ethernet, USB, USB-Host for WLAN dongle or memory. 8 LED for diagnosis & an-tenna status. Outputs: 2 Optocoupler 24 VDC & 3 Relays 24 VDC/1A. Inputs: 5 Optocoupler max. 24 VDC / 20 mA. Antenna connection: 4 x SMA external multiplexed. ACC with Linux operating system for on-board application (64 Mb Ram, 256 Mb Flash). Host protocols: FEIG ISO Host, Scan Mode, Buffered Read Mode, Notification Mode. Low Noise Transmitter & High receiver sensitivity for an enlarged & homogeneous tag detection range. Full support for the UHF Multiplexer ID ISC.ANT.UMUX. Readout of RSSI data for localization of identified transponders. (Cod. 3256-000-00).
- **1 x NET.24V-B** Power Supply Unit (necessita di ID CAB.NET.24V-B-EU Cable with European Plug) (Cod. 2557-000-00)
- **1 x CAB.NET.24V-B-EU** Cable with European Plug (Cod. 2558-000-00)
- **4 x ISC.ANT.U270/270-EU Antenna UHF.** Circular polarized Panel Antenna for operating frequencies in the UHF ranges 865-870 MHz (Optimized for EU Region). Gain: 9.0 dBic@866 MHz. Width (3 dB beam): 65° x 65°. Protection class IP65. Antenna connection SMA (50 Ohm). Housing ASA-ABS Light grey. Dimensions (WxHxD): 270x270x57 mm. Weight: 1.210g. (Cod. 3199-000-00)
- **4 x ISC.ANT.C6-A** UHF Antenna Cable (6 metri). (Cod. 1654-003-00)
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window. Demo Software. Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

UHF RedWave Gate Solutions plug&play (Novità 2010).

Soluzione Gate completa UHF EPC Gen2 per l'identificazione in anticollisione di oggetti e persone nei settori del retail, industria, logistica, etc.

UHF Gate Solution SGU80-U RedWave Slim Gate UHF USB Dev. Kit:



- **1 x RED.SGU80-U. RedWave Slim Gate UHF USB.** Gate Solution (pair of antennas), standard EPC Class 1 Gen 2 - ISO 18000-6C. **Host Interfaces: USB 2.0.** Operating frequency: 860 to 960 MHz (software adjust). RF power up to 170 mW. Power consumption: max. 2 W. Power supply: via USB (5 Volt). **Read Range up to 130 cm** (depending on tag & physical environment). UHF Antennas: 2 internal multiplexed (Gain: 4,0 dBic). Dimension (HxWxD): 1530 x 263 x 54/127 (top/base) mm. (metal base not included). Reader modes: FEIG ISO Host Mode, Scan Mode. Firmware upgradable. Protection class: IP20. Included USB cable. (Cod. 9916-860-10).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window. Demo Software. Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

UHF Gate Solution SGU80-E RedWave Slim Gate UHF LAN I/O Developer Kit:



- **1 x RED.SGU80-E. RedWave Slim Gate UHF LAN Ethernet I/O.** Gate Solution (pair of antennas), standard EPC Class 1 Gen 2 - ISO 18000-6C. **Host Interfaces: Ethernet RJ45 (10/100).** Operating frequency: 860 to 960 MHz (software adjust). RF power up to 170 mW. Power consumption: max. 2 W. **Read Range up to 150 cm** (depending on tag & physical environment). UHF Antennas: 2 internal multiplexed (Gain: 4,0 dBic). Digital Input/Output optocoupler. 2 x Relay (24 V DC/ 2A). Optical Led Strip & internal buzzer. Dimension (HxWxD): 1530 x 263 x 54/127 (top/base) mm. (metal base not included). Reader modes: FEIG ISO Host Mode, Scan Mode. Firmware upgradable. Protection class: IP20. Included 12 V Power Supply. (Cod. 9916-860-20).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window. Demo Software. Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

Coppia di basi autoportanti per RedWave Slim Gate (ID RED.SGUXX):

In metallo, complete di bulloneria e fori per passaggio cavi, colore nero (Cod. 9916-860-90)

UHF Gate Solution MGU200-E RedWave Mid Gate UHF LAN I/O Developer Kit:



- **1 x RED.MGU200-E. RedWave Mid Gate UHF-EPC LAN Ethernet I/O high performance.** Gate Solution (pair of antennas), standard EPC Class 1 Gen 2 - ISO 18000-6C. **Host Interfaces: Lan Ethernet RJ45 (10/100) & RS232.** Operating frequency: 860 to 960 MHz (software adjust). RF power up to 300 mW. **Read Range up to 300 cm** (depending on tag & physical environment). UHF Antennas: 2 internal multiplexed (Gain: 9,0 dBic). Digital Input/Output optocoupler & Relè (24 V DC/ 2A). Optical Led Strip. Dimension: 1700 x 500 mm. metal base included. DRM (Dense Reader Mode). Reader modes: FEIG ISO Host, Scan mode, Buffering Read mode & Notification mode. Firmware upgradable. Protection class: IP20. Included 24 VDC Power Supply. (Cod. 9916-870-20).
- **1 x ISC.SDK.WIN.** Librerie SDK per ambiente MS Window. Demo Software. Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

Periferiche RFID HF & UHF Ready

Palmari Industriali - Psion WorkAbout Pro G2 Developer Kit

WorkAbout Pro Gen 2 RFID HF Developer Kit:



- **WorkAbout PRO Colour G2**, 256 MB Flash, 128 Mb RAM, Bluetooth, Standard battery door (no battery) - Operating System: MS Windows Mobile 6 Classic
- **3000 mAh Lithium Ion Rechargeable Battery** + Extended Battery Door
- Docking Station Desktop for WAP G2 with AC Adapter and lead.
- **RedWave module RFID** 13,56 MHz Vicinity/Proximity (ISO14443-A/B, ISO15693). Antenna integrata.
- **Software Library** (SDK ambiente Windows CE.NET) + applicativo Work-Tag Demo software (formato sorgente).
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

WorkAbout Pro Gen 2 RFID UHF Developer Kit:



- **WorkAbout PRO Colour G2**, 256 MB Flash, 128 Mb RAM, Bluetooth, Standard battery door (no battery) - Operating System: MS Windows Mobile 6 Classic
- **3000 mAh Lithium Ion Rechargeable Battery** + Extended Battery Door
- Docking Station Desktop for WAP G2 with AC Adapter and lead.
- **RedWave WAP RFID UHF EPC. RFID UHF-EPC Integration Kit for Psion WorkAbout PRO G2. Controller UHF 500 mW (EPC Class 1 Gen 2 & ISO 18000-6B)** with internal UHF linear antenna in Multi-Purpose EndCap. Range up to 100 cm.
- **Software Library** (SDK ambiente Windows CE.NET) + applicativo Work-Tag Demo software (formato sorgente).
- Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

Stampanti ToshibaTec RFID Ready Developer Kit

Stampante ToshibaTec BSA4-TPS RFID HF Developer Kit:



- **Stampante ToshibaTec BSA4-TPS** Linea Office Plastic. Resolution: 203 dpi (11,8 dot). Print Width: 23 - 104 mm.
- Interfaccia seriale RS-232C per B-SA4TP / B-SA4TM (necessaria per moduli RFID)
- N. 1 Nastro di stampa per test a trasferimento termico (tipo standard stampa su carta).
- Sistema integrato lettura/scrittura **RFID HF 13,56Mhz** Multi ISO (ISO 15693 & ISO 14443A&B)
- Mix di 20 Tag Transponder HF ISO 15693 13,56 Mhz per test.

Stampante Industriale ToshibaTec BSX4T RFID UHF Developer Kit:



- Stampante a Trasferimento Termico **ToshibaTec BSX4T - Linea Industriale**. Risoluzione: 8 dots/mm (203 d.p.i.). Area di stampa: 104x1498 mm. Velocità di Stampa: 254 mm/sec.
- Economizzatore nastro (Sistema Save Ribbon)
- Nastro di stampa per test a trasferimento termico (tipo standard stampa su carta).
- Sistema integrato lettura/scrittura **RFID UHF Classe 1 Gen. 2 EU** (868 MHz).
- Mix di 20 Tag Transponder UHF EPC (EU - 868 MHz) per test.

RFID Active Long Range UHF Technology (Read Only)

i-B2 family: RFID Active Beacon Technology (read only)

Il Transponder Attivo con tecnologia Beacon (o broadcast) è di fatto un "radio-trasmittitore". La trasmissione del codice UID avviene ad intervalli regolari, variabili da 0,5 msec. a 20 sec. (impostazione definita preventivamente). Il Transponder non deve essere sollecitato per attivare la comunicazione agevolando l'utilizzo nel caso in cui siano presenti "barriere" elettro-magnetiche (es. lastre di metallo, griglie di metallo, acqua, etc.) che si sovrappongono alla possibile comunicazione. I Transponder di tipo Beacon, a parità di distanza di trasmissione, sono più economici del tipo Response, per contro:

- sono di tipo Read only (hanno la possibilità di memorizzare 9 byte solo in laboratorio).
- non hanno led luminoso o sensori aggiuntivi.
- non possono trasmettere informazioni relative allo stato della batteria.

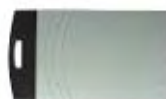
Cod. KA-B01 - RFID Active Beacon Mobile Developer Kit RFID Active Beacon Technology i-CARD CF B/EU Kit



- **1 X Mobile Reader i-CARD CF B/EU.** Compact Flash Reader for i-B2 Family of Tags, 868 MHz, with Compact Flash interface. (Cod. 304866).
- **1 X Rod antenna, 90°** - polarizzazione lineare. Gain: 0 dBi. Range: > 10 mt. With MMCX right angle connector 90° (Cod. 887124)
- **2 X Tag i-B2 S/EU** - (fino a 100m con lettori fissi, Broadcast Tag, 9 Bytes Memory, 868 MHz) Read range up to 100 m in free air. Repetition rate: 0,5 to 60 sec. (in steps of 0,5 sec.). Transmit power < 1 mW. - Industrial housing. (Cod. 285571)
- **1 X Tag i-B2 P/EU** - (fino a 100m con lettori fissi, Broadcast Tag, 9 Bytes Memory, 868 MHz) Read range up to 100 m in free air. Repetition rate: 0,5 to 60 sec. (in steps of 0,5 sec.). Transmit power < 1 mW. - Credit Card Format (personal Tag), 1 slot for fastening. (Cod. 304563)
- **1 X Tag i-B2 W /EU** - Wristband housing. Read range up to 30 m in free air. Repetition rate: 0,5 to 60 sec. (in steps of 0,5 sec.). Transmit power < 1 mW. Dimensions: 43×38.5×14.5 mm. Casing Plastics. Mass 40 g. Pro-ttection class IP 65. (Cod. 405464)
- **1 X Tag i-B2 CC/EU** - Credit card holder format. Read range up to 100 m in free air. Repetition rate: 0,5 to 60 sec. (in steps of 0,5 sec.). Transmit power < 1 mW. Dimensions: 104.50×58.40×12 mm. Casing Plastics. Mass 41 g. Protection class IP 65. (Cod. 353870)
- **1 X Micro Tag i-B2 M/EU** - Micro Personal Tag, Oval, 1 mounting holes. Read range up to 50 m in free air. Repetition rate: 0,5 to 60 sec. (in steps of 0,5 sec.). Transmit power < 1 mW. Dimensions: 56x30x12 mm. Ca-sing Plastics. Mass 19 g. Protection class IP 65. (Cod. 341665)
- Librerie SDK per ambiente MS Window

i-B2 family: RFID Active Beacon Technology (read only)

Cod. KA-B02 - RFID Active Beacon Fixed Developer Kit RFID Active Beacon Technology i-PORT M B-2/EU Kit



- **1 X Reader Device i-PORT MB-2\EU -ETH.** Fixed Long Range Reader. With Ethernet host interface, additional RS422 Interface to connect up to 8 additional i-PORT MB Readers, 868 MHz; 2 SMA antenna connector. (Antenna not included). (Cod. 401662)
- **1 X ID NET.24V-B Power Supply Unit** with European Plug Cable. To provide power for i-PORT MQ. (Cod. WT2557-2558)
- **1 X ANT.U160/160-EU Antenna UHF. Circular polarized Panel Antenna** (CPP868) for operating frequencies in the UHF ranges 865-870 MHz (EU Region). Direttività: 90°. Gain: 4,0 dBic @ 866 MHz. Antenna connection SMA socket (50 Ohm). Dimensions (WxHxD): 162x162x16 mm. (Cod. 9916-868-16)
- **2 X Tag i-B2 S/EU** - (fino a 100m con lettori fissi, Broadcast Tag, 9 Bytes Memory, 868 MHz) Read range up to 100 m in free air. Repetition rate: 0,5 to 60 sec. (in steps of 0,5 sec.). Transmit power < 1 mW. - Industrial housing. (Cod. 285571)
- **1 X Tag i-B2 P/EU** - (fino a 100m con lettori fissi, Broadcast Tag, 9 Bytes Memory, 868 MHz) Read range up to 100 m in free air. Repetition rate: 0,5 to 60 sec. (in steps of 0,5 sec.). Transmit power < 1 mW. - Credit Card Format (personal Tag), 1 slot for fastening. (Cod. 304563)
- **1 X Tag i-B2 W /EU** - Wristband housing. Read range up to 30 m in free air. Repetition rate: 0,5 to 60 sec. (in steps of 0,5 sec.). Transmit power < 1 mW. Dimensions: 43x38.5x14.5 mm. Casing Plastics. Mass 40 g. Protection class IP 65. (Cod. 405464)
- **1 X Tag i-B2 CC/EU** - Credit card holder format. Read range up to 100 m in free air. Repetition rate: 0,5 to 60 sec. (in steps of 0,5 sec.). Transmit power < 1 mW. Dimensions: 104.50x58.40x12 mm. Casing Plastics. Mass 41 g. Protection class IP 65. (Cod. 353870)
- **1 X Micro Tag i-B2 M/EU** - Micro Personal Tag, Oval, 1 mounting holes. Read range up to 50 m in free air. Repetition rate: 0,5 to 60 sec. (in steps of 0,5 sec.). Transmit power < 1 mW. Dimensions: 56x30x12 mm. Casing Plastics. Mass 19 g. Protection class IP 65. (Cod. 341665)
- Librerie SDK per ambiente MS Window

RFID Active Long Range UHF Technology (Read/Write)

ILR 350 Series: RFID Active Beacon + Response high performance Technology.

La serie ILR 350 ad alte performance è in grado di funzionare in due modalità:

Comunicazione Beacon (broadcast): trasmissione ad intervalli regolari del codice del transponder, in questo caso la distanza di lettura con apparati fissi (i-Port 350) arriva fino a **500 metri** in anticollisione.

Comunicazione Response: Il campo elettro-magnetico emesso dal controller e dall'antenna attiva il Transponder che, grazie all'energia fornita dalla batteria, inizia a trasmettere; offrendo così elevate distanze di comunicazione, che possono raggiungere i **250 metri**.

Il controller è in grado di rilevare fino a 2000 Transponder in anticollisione.

La durata della batteria del transponder dipende dal numero di sollecitazioni/comunicazioni, mediamente la durata della batteria è di circa 5 anni. Attraverso la modalità di comunicazione Response è possibile la lettura/scrittura della memoria (10 KBytes) del transponder.

I **Transponder i-Q350** sono dotati di led luminoso; sono disponibili modelli con sensore e logger di temperatura (sensore integrato o esterno), Marker per il wake up a 125 KHz., tasto di attivazione e batteria sostituibile.



Cod. KA-350 - RFID Active 350 Series Beacon+Response Developer Kit:



- Qty 3 i-Q350TL F/EU -PB -RB -L360
- Qty 2 i-Q350TEL SL/EU
- Qty 1 i-PORT M 350
- Qty 1 i-CARD CF 350
- Qty 1 circular antenna i-A9185 incl. Bracket, 3m cable
- Qty 1 Rod antenna
- Qty 1 CF – PCMCIA Converter
- Qty 1 USB RS422 Converter + Power Supply Plug
- Qty 1 Demo software (G3 Demo) with documentation
- Qty 1 Carrying case with inserts