



IDS

The RFID Semiconductor
Company

DK-R14AB

Development Kit for ISO 14443/NFCIP-1 RFID Readers

With **R14AB**

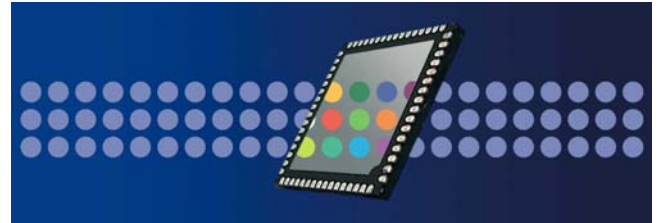
ISO 14443 Reader Development Kit for Battery-Powered RFID Readers

The R14AB kit is intended as an extremely low-power ISO 14443A/B RFID reader development system. It also supports NFCIP-1 106-kbps active communication and Mifare® Ultralight 4-bit ACK/NACK reply. Other standards and custom protocols are possible via the transparent mode.

Content of Kit

- PCB with R14AB and a PIC microcontroller
- CD-ROM with demo application (including Gerber files), documentation, examples, firm- and software (including source code)
- Various tags (ISO 14443)
- USB Cable and power adaptor
- Two additional R14AB samples (QFN32)

R14AB Development Kit



Key Features

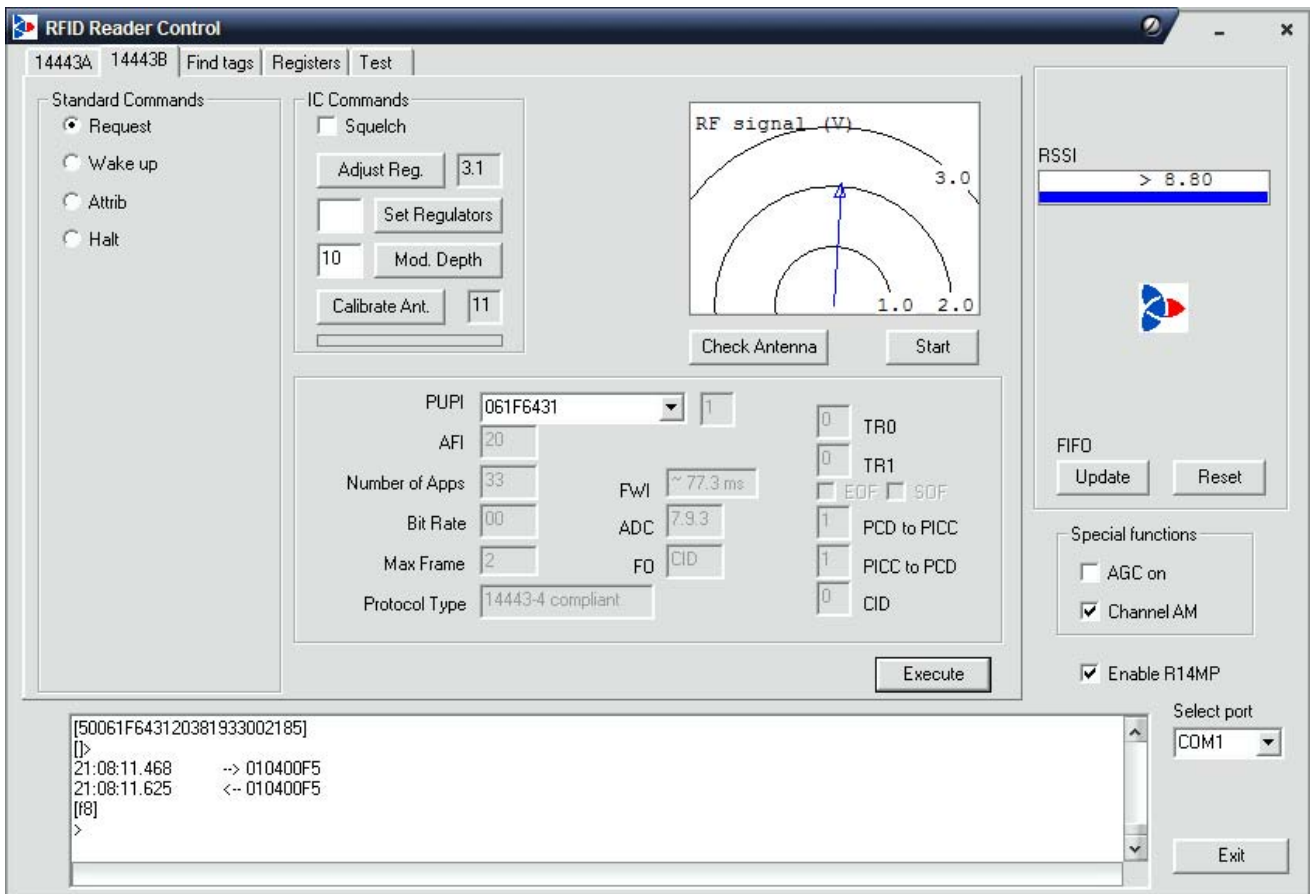
- Extremely low power consumption to support battery-powered RFID reader systems
- Supports proprietary protocols in direct mode
- Automatic antenna tuning

Development Kit

The development kit includes an R14AB reader board with a PIC controller. The kit comes with demo application and GUI software with source codes.



Graphic User Interface (GUI)



The R14AB kit includes GUI software for running demo, and for controlling and changing the settings in the various registers over a PC using the USB port.

ISO 14443/NFCIP-1 Reader with Lowest Power Consumption

The direct antenna driver system with antenna tuning (patent pending) provides high utilisation of power and reduction of BOM, which are essential in battery-powered RFID readers.

About IDS Microchip AG

IDS Microchip is an innovative semiconductor company focused on RFID and sensor solutions. With a mission to provide the next generation RFID products to its clients, IDS Microchip is constantly investing in its product roadmap ensuring cost-efficient solutions with superior performance. Currently, IDS Microchip has one of the broadest RFID semiconductor portfolios, which comprise readers and enhanced sensory tags for the HF and UHF as well as NFC and microSD systems. Founded in 1996 and privately funded, IDS Microchip is headquartered in Wollerau, Switzerland; with a design centre in Ljubljana, Slovenia, an office in Toronto and distributors throughout the world.

EMEA & Pacific

IDS Microchip AG

Wächlenstrasse 5,
CH-8832 Wollerau, Switzerland
Phone: +41 43 8446-253
Fax: +41 43 8446-250
sales@ids-microchip.com

Americas & Asia

IDS Microchip, Toronto Office

131 Yorkminster Rd,
North York, ON M2P 1M5, Canada
Phone: +416 227-9196
Fax: +41 43 8446-250
sales@ids-microchip.com

www.ids-microchip.com

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The DK-R14AB is intended for use in laboratories only!

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