

ProxTech International is proud to announce its new RFID ISO14443A module

ProxTech International, as developer of NFC/RFID read and read/write components for identification technology announces its newest member of the COMPACT RFID module range, based on NXP reader chips.

The new module, named "COMPACT-DES", supports various 13.56 MHz ISO14443A transponders including Mifare Classic 1k and 4k, Mifare DESFire EV1, Mifare Plus, Mifare Ultralight and LEGIC Advant !

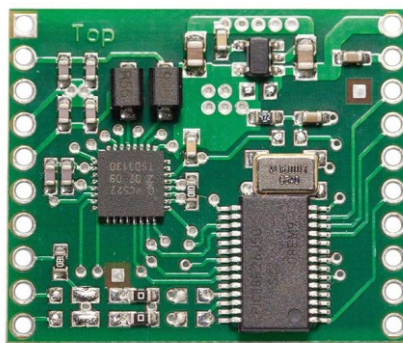
Mifare DESFire is commonly used in ticketing systems for public transportation. And due to the higher security standard, Mifare DESFire is also applied for contactless payment systems.

During the development, special attention was paid to the compact dimensions and complete technical flexibility. The module can be powered with a 3.3 to 5.0 Vdc power supply and offers a choice of different interfaces.

The extreme small dimensions of the COMPACT modules allow this module to be easily integrated, even when limited mechanical integration criteria exist, The module can be installed in e.g. terminals, kiosk systems, PoS, vending machines, secure printing, handheld- and desktop readers, etc.

For customer-specific applications, 4 digital I/O ports are at the user's disposal. The easy command structure allows for a fast and effective integration of the module in various applications without complicated efforts.

The data transfer of the module's standard version goes over a serial TTL interface. But this COMPACT-DES module can also be supplied with other interfaces such as magstripe clock & data, wiegand D0/D1, RS232, USB (keyboard emulation mode or virtual COM port mode) or I²C.



Technical specifications :

- Dimensions (L x W x H) : 31 x 26 x 3 mm
- Frequency : 13.56 MHz
- Power supply : 3.3 to 5.0 Vdc
- Current consumption :
 - RF field on : typical 60mA, depending on antenna
 - RF field off : 2mA
 - Sleep Mode (customized)
- Supported transponders :
 - ISO14443A
 - Mifare
 - Classic 1k, 4k, Mini
 - DESFire EV1
 - Plus
 - Ultralight
 - LEGIC Advant
- Read distance : proximity, depending on antenna, transponder type and environment
- Interface (depending on the version):
 - Serial TTL
 - USB keyboard emulation mode
 - Magstripe clock & data
 - Wiegand D0/D1
 - Optional :
 - USB virtual COM port mode

- RS232
- Operating systems supported in virtual COM port mode :
 - Windows 8 32-bit, 64-bit
 - Windows 7 32-bit, 64-bit
 - Windows 98, 98SE, ME, 2000, Server 2003, XP and Server 2008
 - Windows Vista and Vista 64-bit
 - Windows XP Embedded
 - Windows CE 4.2, 5.0 and 6.0
 - Android via JAVA-driver
 - Mac OS 8/9, OS-X
 - Linux 2.4 and higher
- Antenna : external antenna (optional standard antenna can be supplied with the module)
- Temperature range : -25 to +80 °C