

DE-620 - USB based contactless reader/writer



DE-620 is an USB-based contactless reader/writer which supports ISO14443, ISO18092, MIFARE Classic®, Felica, ISO15693 and includes built-in USB controller based on ARM7 processor. It also provides SAM and contact smart card interface.

The reader is very easy solution for adding the smart card interface on the existing system. Because the reader provides USB interface for connecting to a PC or any other host system, it can be used easily. In particular e-Passport and NFC market are the new target of the reader because it supports PC/SC mode, high-speed data rates on the air interface(847K), integrated USB interface, SAM interface as well as extended functions. The optimized bootloader enables firmware updates via USB with PCSC protocol and proprietary protocol.

Applications include : Issuing System, E-Passport System, E-Payment System, Developing COS, Campus or Institute System

Specification

CPU	ARM 32-bit Cortex-M3 (72MHz)
Program Memory	128 KBytes Flash
Data Memory	20 KBytes SRAM
Host Communication	USB 2.0
Card Communication	ISO-14443 A/B, MIFARE Classic®, FeliCa, ISO-18092, ISO-15693
Card Speed	106 / 212 / 424 / 848 kbps
Reading Distance	Up to 5 cm
Contact Card	1 contact smart card and 1 SAM (2 * ISO 7816)
Input Power	DC5V , 200 mA
Dimension	68 * 120 * 30 (mm)
Operating Temperature	-20 ~ 60 ℃

Features

- Full Support of ISO14443 Part 1~Part 4
- Supports Higher Speed of ISO14443 up to 848kbps
- Supports PC/SC Version , Proprietary Version
- Firmware Downloadable
- Multi PC/SC drivers for contactless and contact
- Use NXP PN512 chip for MIFARE Classic® and FeliCa Protocol
- SDK Available with Sample Application
- CE, FCC and RoHS compliant

▣ Applications

- Identification System
- Card Issuing System
- Card Operating System Development
- Electronic Payment System
- e-Passport System

▣ Configuration

