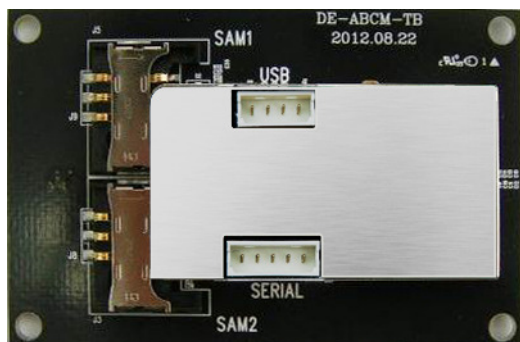


# NFC

## Reader/Writer module

### IDE-ABCM



### Application

NFC Tag management  
NFC Payment/ Non payment  
NFC Kiosk  
Access Control System

### Features

Embedded antenna type  
ISO 14443 A/B, Mifare, DesFire, ISO 18092(NFC)  
USB 2.0 and Serial(RS-232) /TTL UART  
PC/SC, Proprietary Mode

### Specifications

<b>CPU</b>	ARM 32-bit Cortex-M3(48MHz)
<b>Program/ Data Memory</b>	128KBytes Flash / 20KBytes SRAM
<b>Data Interface</b>	USB 2.0 , Serial (RS-232) /TTL UART(115200bps)
<b>Contactless Communication</b>	ISO-14443 A/B, Mifare™, ISO 18092(NFC), DESFire, FeliCa®
<b>Contact Communication</b>	ISO-7816 SAM X 2EA
<b>Frequency</b>	13.56 Mhz ± 7Khz
<b>Baud rate</b>	106/212/424/848kbps Up to 424kbps for NFC P2P communication
<b>Reading Distance</b>	2~5cm
<b>Protocol</b>	PC/SC, Proprietary
<b>Antenna</b>	Direct matching (embedded)
<b>Input Power</b>	DC5V , Max 100mA (USB POWER)
<b>Dimension</b>	70 x 45 x 8 (mm)
<b>Supportive O/S</b>	Windows 2000, Window Vista, Windows 7/ Linux (CCID driver)
<b>Operating Temperature</b>	-10 ~ 60 °C