



## DE-620V Product Specification

**DUALi Inc.**

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## Revision History

- 2011.06.03(Ver. 1.0) : First Release
- 2012.02.03(Ver. 1.1) : Delete SAM(HTY)
- 2012.06.06(Ver. 1.2) : Flash(Program) Memory Size Fix(HTY)

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# 1 HARDWARE SPECIFICATIONS

## 1.1 DE-620V Specifications

DE-620V is a high-speed USB-based dual interface smart card reader/writer supporting VHBR(Very High Baud Rate), extended frame size, 1-SAM module and 1-ID1 type contact slot.

- CPU Cortex (STM32F103ZE)
- Working Memory 48KB Internal SRAM
- Program Memory 512KB Internal Flash
- Host Communication USB 2.0 High Speed
- Communication Protocol Proprietary(USB), PCSC(USB)
- Contactless Card ISO14443 Type A/B(VHBR), my-d, Mifare, ISO15693
- Contactless Speed 106/212/424/847kbps, 1.7/3.4/6.8Mbps
- Contact Card ID1 Type 1 slot (ISO7816 T=0, T=1)
- Reading Distance Up to 5cm (It depends on antenna size and environments)
- Input Power DC5V, 300mA(USB Power)
- Dimension 68 \* 120 \* 30 (mm)
- Operating Temperature : -10°C ~ 60°C
- Display : 2-LED
- Buzzer

## 1.2 DE-620V Features

- Very High Baud Rate(VHBR) Communication between the reader and contactless card
- Extended Maximum Frame Size(upto 1024bytes) with contactless cards
- Firmware Downloadable Function
- Contact Smart Card slot
- SDK, FDK available with sample application

## **2 PACKAGE SPECIFICATIONS**

### **2.1 Components in the package**

- DE-620V reader : 1EA
- Mini USB cable : 1EA