GigaDevice MCU Team	Version	8 Pages
	English V1.0	
	Name： GigaDevice HID IAP Programmer User Manual	

Gigadevice HID IAP Programmer User Manual

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Directory

1. Introduction

This user manual describes an application used to operate the flash or config GigaDevice MCUs with available USB. This software is a tool for the user to use MCUs with UI easily and it uses USB HID protocol for data transportation. With HID IAP tool, user can download the application program to the internal flash memory or secure chip and so on.

1.1. Purpose

Besides a perfect stage for users to download application program easily, HID IAP Programmer also aims to provide wonderful and creative experience. The description was edited for a better service.

1.2. Target Customers

HID IAP Programmer was developed for users who need download application program UI.

1.3. Jargon and Contraction

- IAP: IAP is short for In Application Program, which means users can download codes without removes MCU from the PCB.

- USB: Universal Serial Bus (USB) connects more than computers and peripherals. It has the power to connect you with a whole new world of PC experiences.

- HID: Human Interface Device.

2. The Sketch of HID IAP Programmer

2.1. Application

HID IAP Programmer is an application used to operate the flash or config GigaDevice MCUs convenient.

2.2. Running

This software is running on PC and compatible computers, and on platforms of WINDOWS. There's no need to setup the software, the only thing you need to do is to click the icon to operate the software.

2.3. Configuration

Software Requirements：Chinese or English Windows XP、Windows 7 and advanced operation systems.

Hardware Requirements: Available USB interface.

3. Using Details

3.1. Installment

If you want to use this software, you shouldn't worry about the installment. It is very easy for everyone. When you get the document, you just have to decompress the document, and find out the document named GD32 MCU HID IAP Programmer.exe (As shown in Chart 1) and place it in a file for your convenience. Then click the icon, open it and you are welcome to run it.
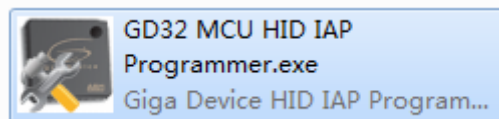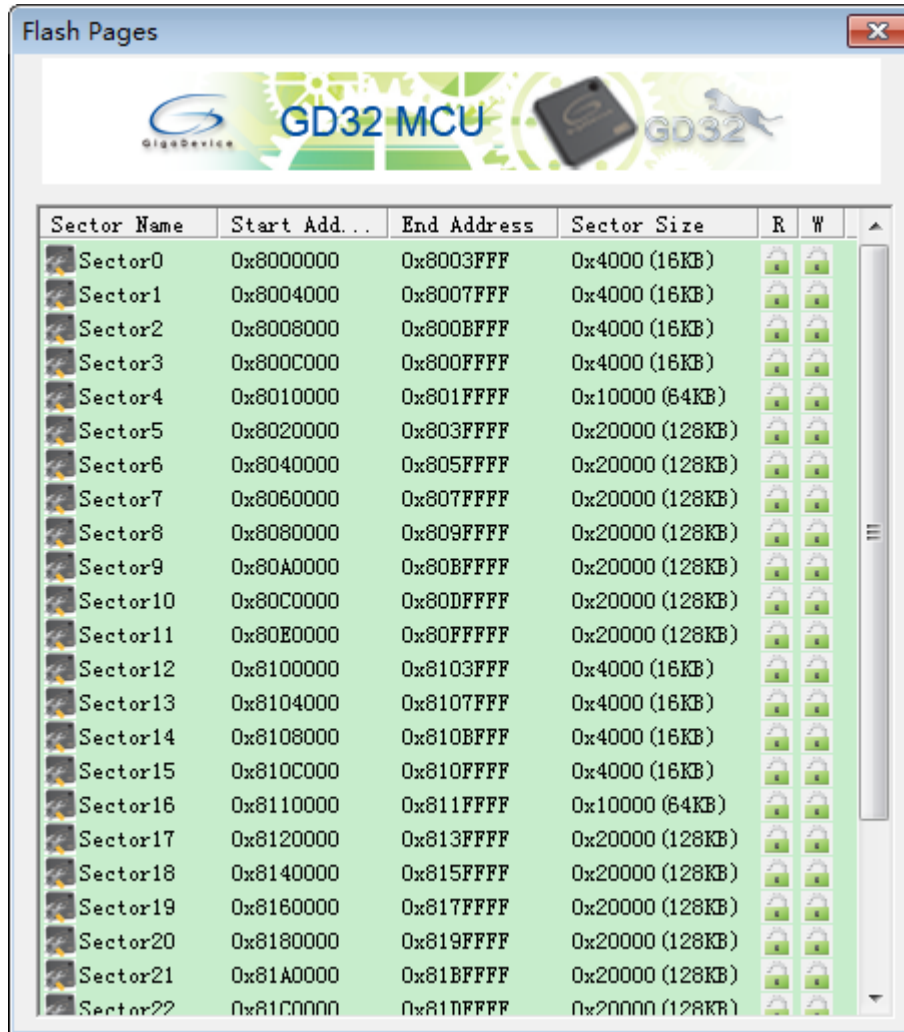
Chart 1

3.2. Details of Operation

3.2.1. Flash status

Double click the index 0 "Flash" in the list can open a new dialog, as shown in Chart 2, it shows the Flash pages/sectors status, this dialog shows the page/sector count, start address, end address, page/sector size, read protection status and write protection status.

Chart 2

3.2.2. Download data

This page can download data to flash (As shown in chart 3). It allows user to download bin or hex file to MCU.

Click the "open" to select bin or hex file on the computer. Then, you must click the "OK" to activate the download. The software will erase the necessary pages/sectors before downloading the files.
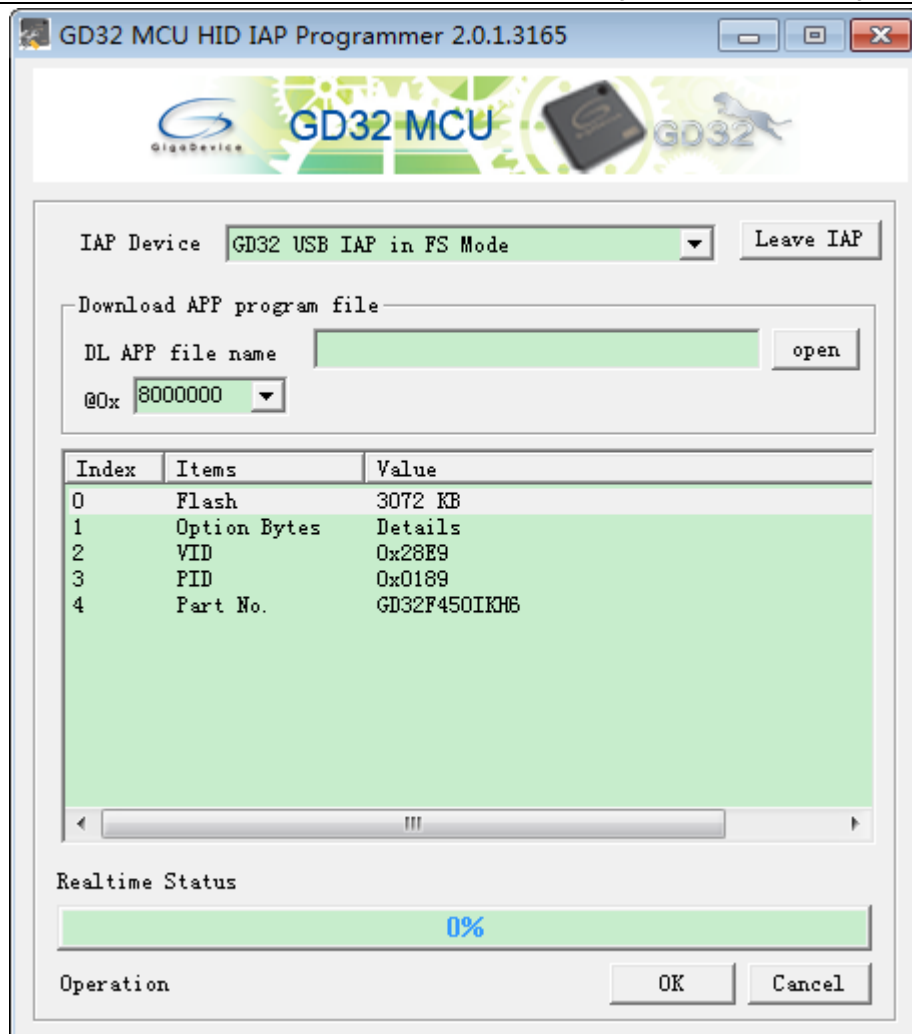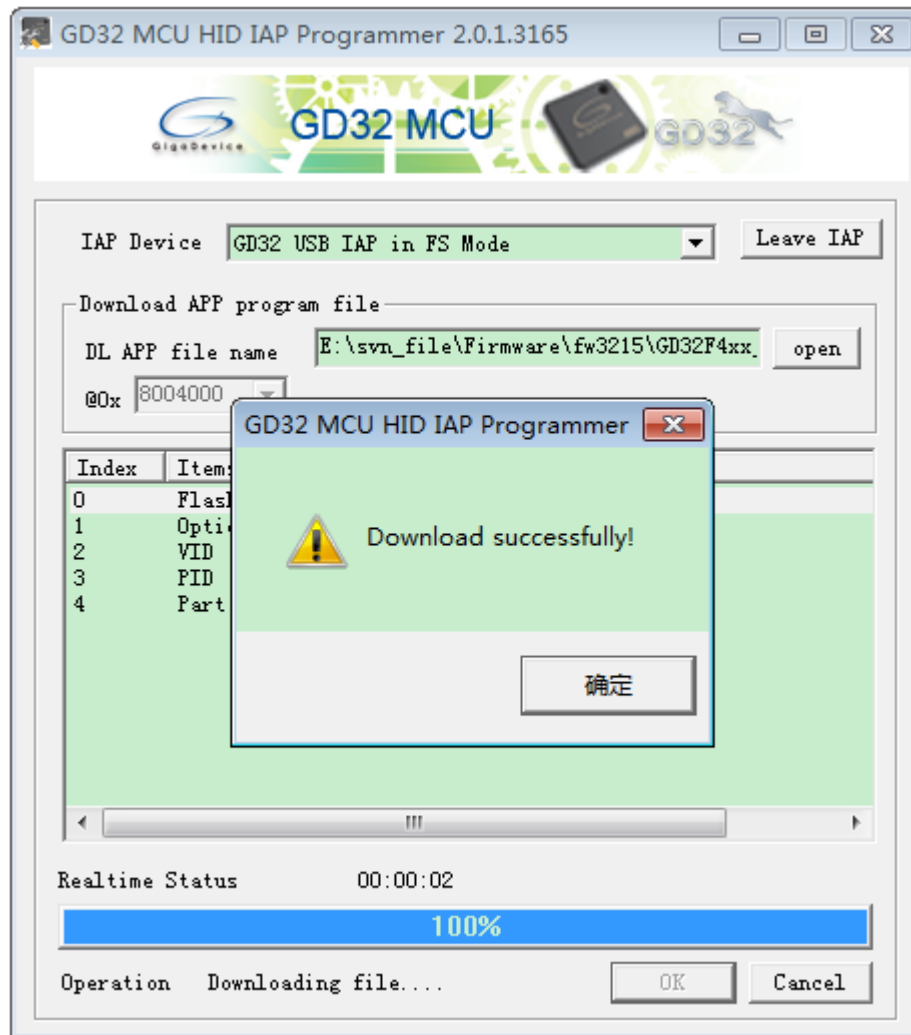
Chart 3

Chart 4

3.2.3.   Config Option Bytes

Double click the index 1 "Option Bytes" in the list can open a new dialog. This dialog allows user to config option bytes with UI(As shown in chart 4). However, it is not yet supported to edit the option bytes.
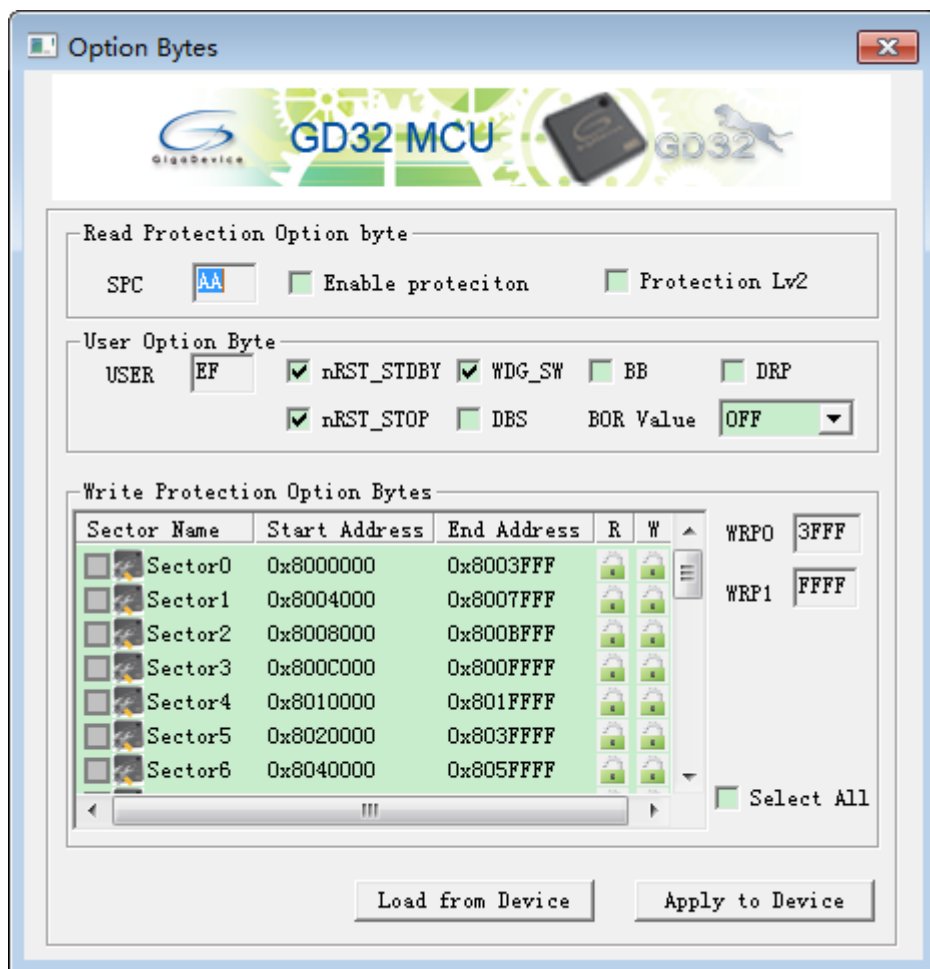
Chart 5