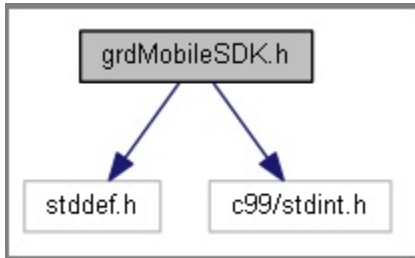


grdMobileSDK.h File Reference

Guardant Mobile SDK.

```
#include <stddef.h>
#include "c99/stdint.h"
```

Include dependency graph for **grdMobileSDK.h**:



Classes

- struct **GrdVendorInfo**
- *Description of fields that can be overwritten.* struct **GrdFindInfo**
- *Description of fields that can be use in the search dongle.* struct **GrdDongleInfo**

Description of the expanded dongle information. Defines

```
#define GRD_API
```

```
#define GrdGetVendorInfo(findInfo) (((GrdVendorInfo*)&(((GrdFindInfo *)findInfo)->serialNumber))
```

Typedefs

- typedef **GrdFindInfo** **GrdFindMode**
- typedef uint32_t **GrdHandle**
Handle that may be obtained by grdOpen function.
- typedef uint32_t **GrdFindHandle**
Search handle that may be obtained by grdFindFirst function.

Functions

- **GrdHandle** **grdOpen** (uint32_t publicCode, uint32_t readCode, uint32_t writeCode)
- **GrdHandle** **grdOpenByFindMode** (uint32_t findFlags, const **GrdFindMode** *findMode, size_t findModeSize, uint32_t readCode, uint32_t writeCode)
- uint32_t **grdCodeRun** (**GrdHandle** handle, uint16_t algorithmName, uint32_t p1, const void *inBuffer, size_t inBufferSize, void *outBuffer, size_t outBufferSize, uint32_t *codeRet)
- uint32_t **grdCodeLoadFile** (**GrdHandle** handle, uint16_t algorithmName, const char *filePath)
- uint32_t **grdCodeLoad** (**GrdHandle** handle, uint16_t algorithmName, const void *buffer, size_t bufferSize)
- uint32_t **grdGetDongleInfo** (**GrdHandle** handle, **GrdDongleInfo** *dongleInfo, size_t dongleInfoSize)
- uint32_t **grdGetFindInfo** (**GrdHandle** handle, **GrdFindInfo** *findInfo, size_t findInfoSize)
- uint32_t **grdUpdateVendorInfo** (**GrdHandle** handle, const **GrdVendorInfo** *vendorInfo, size_t vendorInfoSize)
- uint32_t **grdClose** (**GrdHandle** handle)
- **GrdFindHandle** **grdFindFirst** (uint32_t findFlags, const **GrdFindMode** *findMode, size_t findModeSize, **GrdFindInfo** *findInfo, size_t findInfoSize)
- uint32_t **grdFindNext** (**GrdFindHandle** handle, **GrdFindInfo** *findInfo, size_t findInfoSize)
- uint32_t **grdFindClose** (**GrdFindHandle** handle)
- uint32_t **grdGetAPIVersionNumber** ()

Variables

- static const uint32_t **GrdFM_NProg** = 0x00000001
In order to compare the field program number with the value in the dongle, as equal, this bit must be set.
- static const uint32_t **GrdFM_ID** = 0x00000002
To search dongle with specified ID, this bit must be set.

- static const uint32_t **GrdFM_SN** = 0x00000004
In order to compare the field serial number with the value in the dongle, as equal, this bit must be set.
 - static const uint32_t **GrdFM_Ver** = 0x00000008
In order to compare the field program version with the value in the dongle, as less or equal, this bit must be set.
 - static const uint32_t **GrdFM_Mask** = 0x00000010
In order to compare the field mask with the value in the dongle, as bit mask, this bit must be set.
 - static const uint32_t **GrdFM_Type** = 0x00000020
To search for a specified feature this bit must be set.
 - static const uint32_t **GrdFM_Model** = 0x80000000
To search for a model this bit must be set.
 - static const uint16_t **GrdDT_RTC** = 0x00000040
To search dongles that support "Real Time Clock" feature.
 - static const uint16_t **GrdDT_LoadableCode** = 0x00000400
To search dongles that support "Loadable Code" feature.
 - static const uint32_t **GrdFMM_GC** = 0x00000100
To search for a Guardant Code model this bit must be set.
 - static const uint32_t **GrdFMM_GSD** = 0x00000400
To search for a Guardant JavaCard model this bit must be set.
 - static const uint32_t **GrdInvalidHandle** = 0xFFFFFFFF
Invalid handle value.
-

Detailed Description

Guardant Mobile SDK.

This module contains the function prototypes and constant, type and structure definitions for the Guardant Mobile SDK.