

TSMaster 应用笔记

AN0002

Seed and Key algorithm implementation in Calibration Controller

如何使用同星标定模块加载 Seed&Key 算法动态链接库

作者: Link

2021-01-17

目录

TSMaster 应用笔记	1
AN0002.....	1
Seed and Key algorithm implementation in Calibration Controller.....	1
如何使用同星标定模块加载 Seed&Key 算法动态链接库	1
作者: Link.....	1
2021-01-17.....	1
Chapter 1 XCP 示例 VC 工程	3
Chapter 2 CCP 接口函数定义	3

Chapter 1 XCP 示例 VC 工程

TSMaster XCP 加载的 DLL 示例工程在 TSMaster 安装目录 bin\Help\Application Notes\AN0002\SeedNKeyDll 文件夹下：

此电脑 > SYS (C:) > LC_Ramdisk > SeedNKeyDll

☐ 名称	修改日期	类型	大小
☒ SeedNKeyDll.sln	2015-12-18 18:33	Visual Studio Soluti...	1 KB
SeedNKeyDll.vcxproj	2015-12-18 18:33	VC++ Project	4 KB
SeedNKeyDll.vcxproj.filters	2015-12-18 18:33	VC++ Project Filter...	1 KB
seedNKeyXcp.h	2015-12-18 18:33	Notepad++ Docum...	3 KB
seedNKeyXcpMain.cpp	2015-12-18 18:33	Notepad++ Docum...	7 KB

图表 1 VC 示例工程

Chapter 2 CCP 接口函数定义

CCP 的 DLL 接口函数名称和参数类型定义如下：

```
bool ASAP1A_CCP_ComputeKeyFromSeed
```

```
(
```

```
char* ipSeed,
```

```
unsigned short sizeSeed,
```

```
char* opKey,
```

```
unsigned short maxSizeKey,
```

```
unsigned short* opSizeKey
```

```
);
```

其中的参数含义如下：

- > [in] ipSeed: the seed queried by the ECU (as byte raw data)
- > [in] sizeSeed: The size of the array
- > [out] opKey: the calculated key on return (as byte raw data)
- > [in] maxSizeKey: maximum number of key bytes available
- > [out] opSizeKey: the number of key bytes calculated