

Link

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project

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Info

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Working Time

<http://ai.hoperf.cn>
HP1239
[Er..1](#)

Tool

[WCH-BLEAnalyzer](#)

Compare Filter

.cpp;.c;*.h;-.git\;-.pdm\;-.settings\;-.uceditor\;-.vscode\;-GNU ARM v12.2.1
- Default\

git

```
$ git config --global user.name "suhuide"  
$ git config --global user.email suhuide@hoperf.com
```

```
git config --global alias.diffx 'diff -- "!:!.project" "!:!.cproject" "!:*.slps"  
":!*..pintool" ":!*..html" ":!*..pdm*" ":!*..zap"  
git diff '!:!.cproject' ':!*..slps' ':!*..pintool' ':!*..html'
```

```
git tag  
git fetch --tags  
git checkout tags/v2.8.0 -f
```

```
git reset --hard HEAD      # Remove all uncommitted changes  
git switch -               # Return to the previous branch  
git checkout -             # Return to the previous branch  
git branch -r              # Check remote branches  
git branch -a              # Check all branches (local + remote)  
git remote -v              # Show all remote repositories' names and URLs
```

git account

```
suhuide@hoperf.com  
HoefL89736*
```

Board

```
WSTK Mainboard (ID: 000440045640)
```

matter repo

```
https://hoperf-matter/gitlab/matter
```

```
git remote add origin https://github.com/user/repo.git
```

samba

```
samba: \\hoperf-matter  
username: suhuide  
password: HA39838M*12
```

Commander CLI

```
C:\SiliconLabs\SimplicityStudio\v5>commander security unlock --command-key  
command_key.pem --unlock-param 1111 --device EFR32MG24A410F1536IM40 -s  
602712820  
Unlocking with unlock payload:  
C:/Users/Administrator/AppData/Local/SiliconLabs/commander/SecurityStore/device  
_000000000000000d44867ffffe8997ee/challenge_e4e3184d31be0e7428a6d0367269b5f7/un  
lock_payload_000000000111110.bin  
Secure debug successfully unlocked  
DONE
```

```
commander flash ez01_matter-signed--v0.0.13-2d274330.s37 --device efr32mg24 --  
no-reset
```

```
C:\Si\ws\ez01_matter\release-fw\signfw\v0.0.13>commander security status --  
device efr32mg24  
WARNING: DP write failed  
DCI communication failed, retrying after reset and 10 ms delay...  
Resetting device...  
SE Firmware version : 2.2.5  
Serial number : 000000000000000d44867ffffe8b63ab  
Debug lock : Enabled  
Device erase : Enabled  
Secure debug unlock : Enabled  
Tamper status : OK  
Secure boot : Enabled  
Boot status : 0x20 - OK  
Command key installed : True  
Sign key installed : True  
DONE
```

```
//Lunch Console -> Admin  
serial vcom config  
serial vcom config speed 9600  
serial vcom config speed 115200  
serial vcom config speed 921600
```

Debug lock

```
commander device lock --device EFR32MG24B020F1536IM40
```

NFC

NFC AES Flash tool

```
"\"\\hoperf-matter\\MatterShare\\AE Team\\Projects\\PTE9\\Release\\01-wireless\\pte9_wireless_nfc_key_writer.zip"
```

NFC AES Flash method

```
python3 nfc_key_writer.py --kvn 17 --key_enc  
"404142434445464748494A4B4C4D4E4F505152535455565758595A5B5C5D5E5F" --key_mac  
"404142434445464748494A4B4C4D4E4F505152535455565758595A5B5C5D5E5F" --key_dek  
"404142434445464748494A4B4C4D4E4F505152535455565758595A5B5C5D5E5F"
```

MFG

```
username: suhuide  
password: +mTvceVZk  
product code: 9323718166
```

```
matter_mfg_tool_2.5.9\mfg_tool.exe  
//Load config  
AOK02-MT2401B-v0.1.7-DC\mfg_config.json
```

文件 工具 用户

配置文件

C:/hrf/aok/team/AOK02-MT2401B-v0.1.7-DC/mfg_config.json

刷新配置

导入配置

设备信息

下载器:
(已连接)

440045640

串口:
(已连接)

COM12

设备检测

芯片信息

芯片型号: EFR32MG24A410F1536IM40 芯片唯一ID: 38398FFFFE537034

SE版本号: Ver 2.2.4

SecureBoot:False

已连接

操作

烧写测试固件 烧写应用固件 批量烧写 二维码扫描

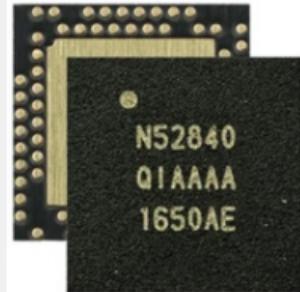
二维码

Version:
VendorID:
ProductID:
Custom flow:
Discovery Bitmask:
Long discriminator:
Passcode:

- 烧写SecureEngine 100% 写入成功
- 烧录前擦除芯片 0% 完成
- 烧写DAC/PAL证书 100% 写入成功
- 烧写CD证书 100% 写入成功
- 烧写配网参数 100% 写入成功
- 烧写Bootloader 100% 写入成功
- 烧写应用程序 100% 写入成功
- 锁定芯片 写入BLE_ADV_UUID
- SecureBoot SecureDebugUnlock GBLDecryptKey DisableDeviceErase

HOPERF®

AOK02-DC



- 自动下载
 自动生成二维码
 自动打印二维码

自动烧录

```

2026-01-09 14:41:15,463 root INFO 读取晶振频率 ctune=70
2026-01-09 14:41:15,463 root INFO 更新生产信息
2026-01-09 14:41:15,550 root INFO 正在使能Secure Boot
2026-01-09 14:41:15,552 root INFO 正在写入Pub Sign Key
2026-01-09 14:41:16,301 root INFO 正在写入Secure Boot配置
2026-01-09 14:41:17,112 root INFO Secure Boot配置完成
2026-01-09 14:41:17,112 root INFO 正在写入GBL Decrypt Key到SE中
2026-01-09 14:41:17,113 root INFO 正在写入AES Key
2026-01-09 14:41:17,776 root INFO 烧录完毕 device_id=38398ffffe537034
2026-01-09 14:41:17,776 root INFO 花费时间 30.11秒
2026-01-09 14:41:17,840 root INFO idx: 0 X: 336 y: 9 Manualcode: 11164421874 qrcode: MT:GYFB54AS02DOKX6TS00

```

已登录 生产信息: VID 5274(0x149A) PID 12821(0x3215) DAC数量 25个 已用 9个