

模式: 测试座 速率: AUTO 断开连接

BUF: 4B VCC: 2.85

用户区 工厂包 服务 华为荣耀

Partition	Lun Only	Image File	Address	Length	Size
All	<input checked="" type="checkbox"/>	click to ...			
LUN 0	<input type="checkbox"/>	click to ...	0X0000000000	0X0100000000	4GB
LUN 1 Boot A	<input checked="" type="checkbox"/>	click to ...	0X0001400000	0X0001400000	20MB
LUN 2 Boot B	<input type="checkbox"/>	click to ...	0X0001400000	0X0001400000	20MB
LUN 3	<input type="checkbox"/>	click to ...	0X0000000000	0X0000000000	8MB
LUN 4	<input checked="" type="checkbox"/>	click to ...	0X0008100000	0X0008100000	2.05GB
LUN 5	<input type="checkbox"/>	click to ...	0X0000000000	0X0000000000	94MB

基带参数

安全数据 读写校验

清除 读取 写入

芯片信息 安卓信息

品牌: TOSHIBA 型号: THJFCT0T448A1LB
 UFS版本: 3.0 固件版本: 0100
 容量: 119.2GB 日期: 10/2019
 Boot: Boot A REF_CLK: 38.4MHz
 配置锁: Not Locked RFBM: 0
 写保护: 否 UFS健康值: 90%

Gear: HS_G2B Buff: 0x4B
 VCC: 2.88 VCCQ2: 1.92 VCCQ: 1.32
 -----info-----
 产品名称: THJFCT0T448A1LB
 SerialNumber: 60CA6835VM
 OEMID:
 ProductRevision: 0100
 SpecVersion: 3.00
 ManufacturerName: TOSHIBA
 ManufactureDate: 10/2019
 PermanentlyDisableUpdate: 0
 BootLunEn: 1
 ConfigDescrLock: 0

RFBM Counter: Authentication Key not yet programmed
 TotalRawDeviceCapacity: 122056MB

LUN 0: 64GB
 LUN 1: Boot A: 20MB
 LUN 2: Boot B: 20MB
 LUN 3: 8MB
 LUN 4: 2.05GB
 LUN 5: 94MB

Device Life Time EstA: 0% - 10% device life time used
 Device Life Time EstB: 0% - 10% device life time used

0.0%

0.0%

SH数据恢复1067153330

#MIP1 Plus Demo_MIP1_Plus

UFS EMMC

模式: 测试座 速率: AUTO 断开连接

BUF: 4B VCC: 2.85

用户区 工厂包 服务

Boot设置: Boot LUN A 读取 写入

REF_CLK设置: 19.2MHz 读取 写入

启动分区选择

时钟选择

芯片信息 安卓信息

品牌: SAMSUNG 型号: KLUDG4LHD8-B2D1
 UFS版本: 3.10 固件版本: 1302
 容量: 119.2GB 日期: 10/2020
 Boot: Boot A REF_CLK: 19.2MHz
 配置锁: Not Locked RFBM: 50215
 写保护: 否 UFS健康值: 70%

写入Lun4_38_ufisecapp... 完成
 写入Lun4_38_ufisecappbak... 完成
 写入Lun4_39_ufisecappbak... 完成
 写入Lun4_40_abl... 完成
 写入Lun4_41_ablbak... 完成
 写入Lun4_42_tz... 完成
 写入Lun4_44_sprwm... 完成
 写入Lun4_45_hyp... 完成
 写入Lun4_48_dtbo... 完成
 写入Lun4_49_logo... 完成
 写入Lun4_50_dsp... 完成
 写入Lun4_51... 完成
 写入Lun4_52_boot... 完成
 写入Lun4_53_boot... 完成
 写入Lun4_54_img... 完成
 写入Lun4_55_img... 完成
 写入Lun4_59_imagefbak... 完成
 写入Lun4_61_BackupGPT... 完成
 写入Lun5_01_PrimaryGPT... 完成
 写入Lun5_13_BackupGPT... 完成
 写入Lun5_13_BackupGPT... 完成

SH数据恢复1067153330

MIPI Plus Demo_MIPI_Plus

UFS EMMC

模式 测试座 速率 AUTO

BUF: 4B VCC: 2.85

断开连接

芯片信息 安卓信息

品牌: SAMSUNG 型号: KM8F9001JM-B813

UFS版本: 2.20 固件版本: 0700

容量: 238.37GB 日期: 06/2022

Boot: Boot A

配置锁: Not Locked

写保护: 否

时钟MTK一般都是26M

3330

BOOT-A启动

LUN0 BOOTA

SH数据恢复1667153330

LUN1 BOOTB

3330

MTK的LUN0 系统参数 用户数据 基带参数 DDR参数

GPT,定义以下每个分区的大小以及地址
比如说128的库userdata大概就是110多个G

256就是240多个G

UFS厂商不一样内存大小不一样
GPT定义不同, GPT不对开机进屏重

SH数据恢复667153330

本地账户锁存储, 指南针传感器, 指纹安全参数

安全数据 读写校验

清除 读取 写入

MIPI Plus Demo_MIPI_Plus

UFS EMMC

模式 测试座 速率 AUTO

BUF: 4B VCC: 2.85

断开连接

芯片信息 安卓信息

品牌: SAMSUNG 型号: KM8F9001JM-B813

UFS版本: 2.20 固件版本: 0700

容量: 238.37GB 日期: 06/2022

Boot: Boot A

配置锁: Not Locked

写保护: 否

Gear: HS_G2B Buff: 0X4B

VCC: 2.88 VCCQ2: 1.86 VCCQ: 1.34

产品名称: KM8F9001JM-B813

SerialNumber: 66b9b840451f

OEMID: SAMSUNG_OEM_ID

ProductRevision: 0700

SpecVersion: 2.20

ManufacturerName: SAMSUNG

ManufacturerDate: 06/2022

PermanentWPE: 0

PermanentlyDisableFWUpdate: 0

BootLunEn: 1

ConfigDescrLock: 0

RPMB Counter: 3807

TotalRawDeviceCapacity: 24408MB

LUN 0: Boot A 4MB

LUN 1: Boot B 4MB

LUN 2: 238.34GB

Pre End of Life: Normal

Device Life Time EstA: 0% - 10% device life time used

Device Life Time EstB: 0% - 10% device life time used

备份GPT, MTK需要写, 不写更新系统会
变砖

小米MTK机器写全资库救砖需要
写这个分区

3330

3330

禁复制

SH数据恢复1667153330

安全数据 读写校验

清除 读取 写入

MIPI Plus Demo_MIPI_Plus

UFS EMMC

模式: 测试座 速率: AUTO

BUF: 4E VCC: 2.85

连接

芯片信息 安卓信息

品牌: SAMSUNG 型号: KM8F9001JM-B813

UFS版本: 2.20 固件版本: 0700

容量: 238.37GB 日期: 06/2022

Boot: Boot A REF_CLK: 26MHz

配置锁: Not Locked RPMB: 3807

写保护: 否 UFS健康值: 90%

Gear: HS_0CB Buf: 0x4B

VCC: 2.85 VCC2: 1.86 VCCQ: 1.34

产品名称: KM8F9001JM-B813

SerialNumber: 66b9b840451f

OEMID: SAMSUNG_OEM_ID

ProductRevision: 0700

SpecVersion: 2.20

ManufacturerName: SAMSUNG

ManufactureDate: 06/2022

PermanentWPEn: 0

PermanentlyDisableFWUpdate: 0

BootLunEn: 1

ConfigDescrLock: 0

RPMB Counter: 3807

TotalRawDeviceCapacity: 240688MB

LUN 0: Boot A 4MB

LUN 1: Boot B 4MB

LUN 2: 238.34GB

Pre End of Life: Normal

Device Life Time EstA: 0% - 10% device life time used

Device Life Time EstB: 0% - 10% device life time used

Partition Lun Only Image file Address Length Size

All

LUN 0 Boot A click to ... 0X0000000000 0X0000400000 4MB

LUN 1 Boot B click to ... 0X0000000000 0X0000400000 4MB

LUN 2 click to ... 0X0000000000 0X3B96000000 238.34GB

PrimaryGPT_2 click to ... 0X0000000000 0X0000008000 32KB

misc click to ... 0X0000008000 0X0000080000 512KB

countrycode click to ... 0X0000200000 0X0000200000 2MB

para click to ... 0X0000280000 0X0000080000 512KB

expdb click to ... 0X0000308000 0X0002800000 40MB

frp click to ... 0X0002080000 0X0000100000 1MB

nvfcfg click to ... 0X0002C08000 0X0002200000 32MB

nvdata click to ... 0X0004C08000 0X0004000000 64MB

ffu click to ... 0X0008C08000 0X0008080000 8MB

gsort click to ... 0X0009408000 0X0001000000 16MB

cust click to ... 0X000A408000 0X0008000000 2GB

rescue click to ... 0X000A408000 0X0008000000 128MB

vbmeta_a click to ... 0X0002408000 0X0000800000 8MB

vbmeta_system_a click to ... 0X0002C08000 0X0000800000 8MB

vbmeta_vendor_a click to ... 0X0003408000 0X0000800000 8MB

vbmeta_b click to ... 0X0003C08000 0X0000800000 8MB

vbmeta_system_b click to ... 0X0004408000 0X0000800000 8MB

vbmeta_vendor_b click to ... 0X0004C08000 0X0000800000 8MB

meta_data click to ... 0X0005408000 0X0002400000 2MB

persist click to ... 0X0007408000 0X0003F80000 51.97MB

protect1 click to ... 0X000A800000 0X0000800000 8MB

protect2 click to ... 0X000B000000 0X0000800000 8MB

secfcfg click to ... 0X000B800000 0X0000800000 8MB

otp click to ... 0X000C000000 0X0003000000 48MB

andling_a click to ... 0X000F000000 0X000C800000 200MB

spmfw_a click to ... 0X000A800000 0X0000100000 1MB

pi_img_a click to ... 0X000A900000 0X0000100000 1MB

dpma click to ... 0X000A8A0000 0X0000400000 4MB

安全数据

读写校验

清除 读取 写入

MIPI_Plus SN:A00492 beat 1.08 Speed:45 MB/S

MIPI Plus Demo_MIPI_Plus

UFS EMMC

模式: 测试座 速率: AUTO

BUF: 4E VCC: 2.85

断开连接

芯片信息 安卓信息

品牌: SAMSUNG 型号: KL1DG4URDB-B2D1

UFS版本: 3.10 固件版本: 1302

容量: 119.2GB 日期: 10/2020

Boot: Boot A REF_CLK: 19.2MHz

配置锁: Not Locked RPMB: 50215

写保护: 否 UFS健康值: 70%

Gear: HS_0CB Buf: 0x0B

VCC: 2.85 VCC2: 1.86 VCCQ: 1.28

产品名称: KL1DG4URDB-B2D1

SerialNumber: 4a905028a1f

OEMID: SAMSUNG_OEM_ID

ProductRevision: 1302

SpecVersion: 3.10

ManufacturerName: SAMSUNG

ManufactureDate: 10/2020

PermanentWPEn: 0

PermanentlyDisableFWUpdate: 0

BootLunEn: 1

ConfigDescrLock: 0

RPMB Counter: 50215

TotalRawDeviceCapacity: 122056MB

LUN 0: 118.01GB

LUN 1: Boot A 16MB

LUN 2: Boot B 16MB

LUN 3: 32MB

LUN 4: 1GB

LUN 5: 64MB

Pre End of Life: Normal

Device Life Time EstA: 20% - 50% device life time used

Device Life Time EstB: 20% - 30% device life time used

Partition Lun Only Image file Address Length Size

All

LUN 0 click to ... 0X0000000000 0X0010000000 4GB

LUN 1 Boot A click to ... 0X0000000000 0X0001000000 16MB

LUN 2 Boot B click to ... 0X0000000000 0X0001000000 16MB

LUN 3 click to ... 0X0000000000 0X0002000000 32MB

LUN 4 click to ... 0X0000000000 0X0040000000 1GB

LUN 5 click to ... 0X0004000000 0X0004000000 64MB

系统分区和用户参数分区

引导分区

LUN3DDR分区
扩运行内存和写
运行内存资料需
调试

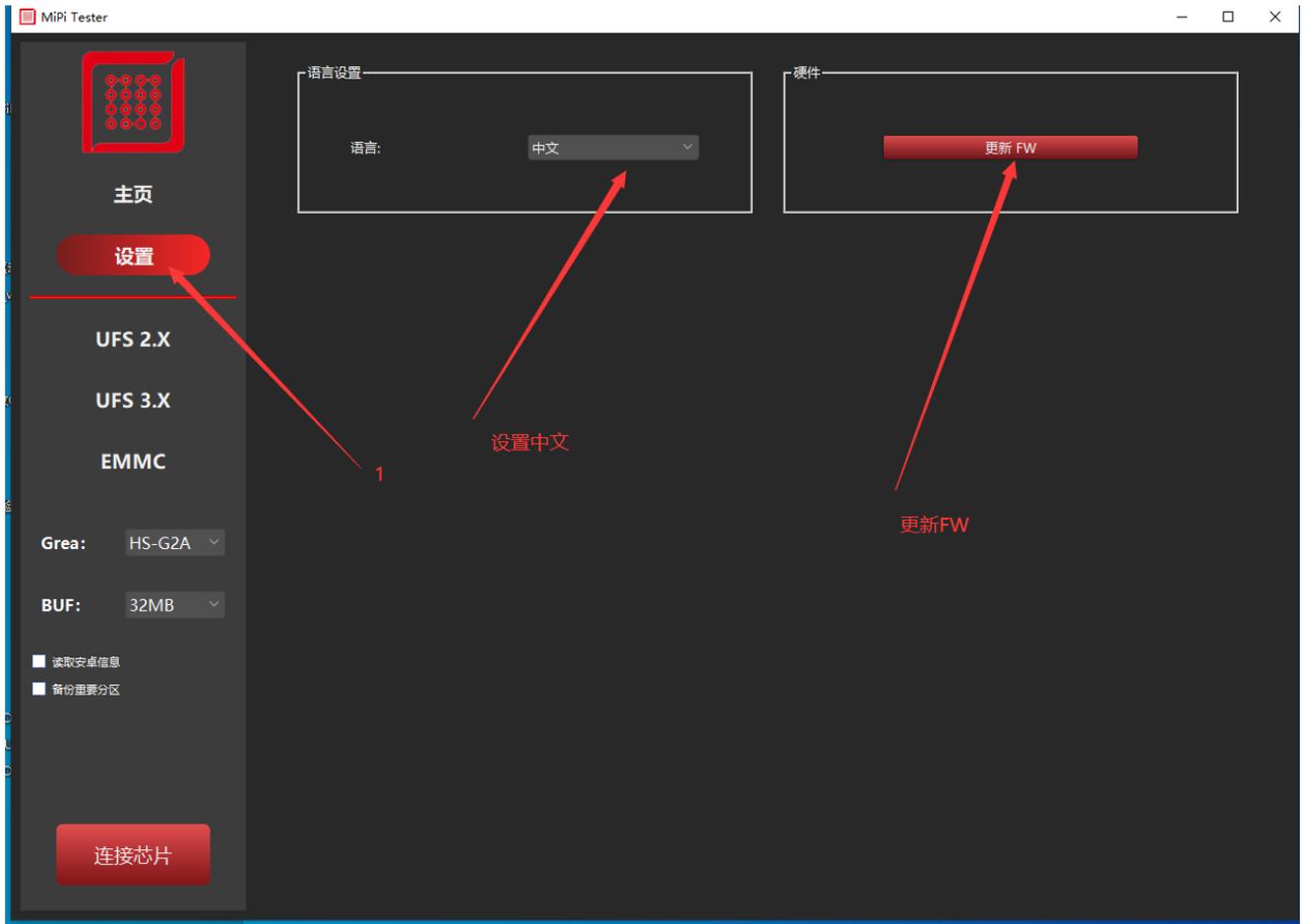
谷歌-基带调试一些参数

基带加密分区
不可替代

丢失或擦除需要修复基带

高通一般是19.2

min 编辑器



MiPi Tester

主页

设置

UFS 2.X

UFS 3.X

EMMC

Grea: HS-G2A

BUF: 32MB

读取安卓信息

备份重要分区

连接芯片

MiPi Connected

SN: 1881

FW: 10303

重置半皮设备

0.0MB/S

0 %

Brand: Model:

Version: Data:

Boot: RPMB:

CLK: OTP:

Capacity: FW Version:

IC连接已断开

USERAREA FACTORY ANDROID SERVICES

名称	文件	开始地址	长度
----	----	------	----

开始地址: 0x00000000 长度: 0x00000000

修复 GPT Backup XML 读出 擦除

Jumping OEMINFO 写入 校验

UFS2.0的选这个

UFS3.0/4.0的选这个

EMMC

速度

连接

MiPI Tester

主页

设置

UFS 3.0

UFS 3.X BOOTA启动

EMMC

时钟

Grea: HS-G2A

BUF: UFS容量 32MB

读取安卓信息

备份重要分区

OTP加密

断开芯片

MIPI Connected

SN: 1881

FW: 10303

重置半皮设备

0.0MB/S

0 %

厂商

Brand: SAMSUNG Model: KLUDG4UHD8-B2D1

Version: 3.0 Data: 2019-12

Boot: Boot A RPMB: 0

CLK: 19.2MHz OTP: Locked

Capacity: 119GB FW Version: 1200

super: 0x41c00000 - 0x2b8a1000 (3.42GB)

version: 0x226ae0000 - 0x28edf000 (576.00MB)

preload: 0x28ee0000 - 0x2ef0ff000 (1.37GB)

userdata: 0x20600000 - 0x172a7ff000 (465.06GB)

BackupGPT3: 0x1dc97fb00 - 0xc97ff000 (20.00KB)

OEMINFO Partial Secure Write Protect:

Region0: start offset 0x2000000, length 0x800000(8.0MB)

Region1: start offset 0x5000000, length 0x800000(8.0MB)

OEMINFO

Cust Version1: BRA-AL00-CUST 104.0.0.115(C00)

Preload Version1: BRA-AL00-PRELOAD 104.0.0.11(C00R4)

Base Version1: BRA-LGRP1-CHN 104.0.0.116(SP8)

Country/Region:

303036303034323330316164616c6c2c636e03000292c896a671daed2

6288ba9b6e6df404de4b3926efc2cfdb3f0ac1d2514a486865f527f4f3

c299942a1f13c6460da325cad09a4e114a865d65011c38f5af6c075d71

8fce6d8de7826efb9a895cc4a1fbd9bc257735e67505cbf0356cc9d2340

6ea1da3fd95c055bdefe4be9d4244e999c32cfc64a1ee78882fae52b41

0e222c5e01bdfb5f2eadf58e1c761df0099c5f4562802a89d359b9a7289

fdac2ca66bd2f682fbc19846bfa7474067e3366887de6a902ad1e86938

08d0cfaaf147a64692c458b0cf279a7cf8e90d28d85a24bb6774b897acf

0bd56bb6bb1447fd6f1ca7e0c56feb18b3b10246d127ca65af27d365b7

471930f833c09c1a47954726865e892b4aed18ab95362010ef3e6f547f

USERAREA FACTORY ANDROID SERVICES

LUN_0(BootA) ...Click to open file

LUN_1(BootB) ...Click to open file

LUN_2(Unit2) ...Click to open file

LUN_3(Unit3) ...Click to open file Auto

名称	文件	开始地址	长度
LUN0	BootA	have no partition	
LUN1	BootB	have no partition	
LUN2	Unit2	have [3] partitions	
P0	PrimaryGPT...	点击打开文件	0x0 0x6000
P1	frp	点击打开文件	0x80000 0x8000
P2	persist	点击打开文件	0x100000 0x6000
P3	reserved1	点击打开文件	0x700000 0x1000
P4	BackupGPT_2	点击打开文件	0x7fb000 0x5000
LUN3	Unit3	have [87] partitions	
P0	PrimaryGPT...	点击打开文件	0x0 0x6000
P1	frp	点击打开文件	0x80000 0x8000
P2	vri_backup	点击打开文件	0x100000 0x8000
P3	modem_se...	点击打开文件	0x180000 0x8800
P4	nvme	点击打开文件	0xa00000 0x4000
P5	conn_calidata	点击打开文件	0xe00000 0x1000
P6	certification	点击打开文件	0xf00000 0x1000
P7	oeminfo	点击打开文件	0x1000000 0x6000
P8	secure_sta...	点击打开文件	0x7000000 0x2000
P9	modemnv...	点击打开文件	0x9000000 0x1000
P10	modemnv...	点击打开文件	0xa000000 0x1000
P11	modemnv...	点击打开文件	0xb000000 0x2e00
P12	hisee_encos	点击打开文件	0xde00000 0x4000
P13	veritykey	点击打开文件	0xe200000 0x1000
P14	ddr_para	点击打开文件	0xe300000 0x1000
P15	lowpower...	点击打开文件	0xe400000 0x1000
P16	batt_to_para	点击打开文件	0xe500000 0x1000

BootA 开始地址: 0x00000000 长度: 0x00000000

修复 GPT Backup XML 读出 擦除

Jumping OEMINFO 写入 校验

UFS 3.0

UFS 3.X BOOTA启动

EMMC

时钟

BUF: UFS容量 32MB

OTP加密

断开芯片

厂商

芯片型号

写保护地址, 意思是编译器写不进去

手机型号, 版本信息



主页

设置

UFS 2.X

UFS 3.X

EMMC

Grea: HS-G2A

BUF: 32MB

- 读取安卓信息
- 备份重要分区

断开芯片



MiPi Connected

SN: 1881

FW: 10303

重置半皮设备



Brand: SAMSUNG Model: KLUDG4UHDB-B2D1
Version: 3.0 Data: 2019-12
Boot: Boot A RPMB: 0
CLK: 19.2MHz OTP: Locked
Capacity: 119GB FW Version: 1200

super: 0x4c000000 - 0x2ba00000 (0.42GB)
version: 0x26ae00000 - 0x28adff000 (576.00MB)
preload: 0x28ee00000 - 0x2e65ff000 (1.37GB)
userdata: 0x2e6600000 - 0x772a7ff000 (465.06GB)
BackupGPT_3: 0x1dc97fb000 - 0xc97ff000 (20.00KB)

OEMINFO Partial Secure Write Protect:
Region0: start offset 0x2000000, length 0x800000(8.0MB)
Region1: start offset 0x5000000, length 0x800000(8.0MB)
OEMINFO
Cust Version1: BRA-AL00-CUST 104.0.0.115(C00)
Preload Version1: BRA-AL00-PRELOAD 104.0.0.11(C00R4)
Base Version1: BRA-LGRP1-CHN 104.0.0.116(SP8)
Country/Region:
303036303034323330316164616c6c2c636e03000292c896a671daed2
56288ba9b6e6df404de4b3926efc2cfd3f0ac1d2514a4486865f527f4f3
c299942a1f13c6460da325cad09a4e114a865d65011c38f5af6c075d71
8fce6d8de7826efb9a895cc4a1fbd9bc257735e67505cbf0356cc9d2340
6ea1da3fd95c055bdefe4be9d4244e999c32cfc64a1ee78882fae52b41
0e222c5e01bdfb5f2eadf58e1c761df0099c5f4562802a89d359b9a7289
fdac2ca66bd2f682fbc19846bf6a7474067e3366887de6a902ad1e86938
08d0cfaaf147a64692c458b0cf279a7cf8e90d28d85a24bb6774b897acf
0bd56bb6bb1447fd6f1ca7e0c56feb18b3b10246d127ca65af27d365b7
471930f833c09c1a47954726865e892b4aed18ab95362010ef3e6f547f
4768c3fda650f016cff8ee1330bd35615f4ef129799d6af87c3e5d459d20
007eab22d1758176f57aee23c1204c38c3572a11b2504f360fd7cdf89fc
90cec8260c4bed0fdbbb83b0daa5b6ab3c6907ae8d17797aa8e64e712cb
1e085dab0f5e7d0becaaec033e501756cf9d89b6c316f4463cfecd828
d97d31e372612ea79e7d1e7be3f5bf3bea6b77aa024375c1d2ccb17d95
c1f3af13c53f1592609847a7bba30571e3211d3cae97a5dccc3d541c3b8f
d12231cb22a09c49bf13182d56b5b37c79b6e1b34fb45fb480cfffabd63a
17120c6c6412304b1170c4b700487606bb0858c5f40c90489

USERAREA FACTORY ANDROID SERVICES

点击打开文件

名称	文件	开始地址	长度	大小

选择XML脚本

烧录

Tool

烧录

主页

设置

UFS 2.X

UFS 3.X

EMMC

Grea: HS-G2A

BUF: 32MB

读取安卓信息

备份重要分区

断开芯片

MiPi Connected

SN: 1881

FW: 10303

重置半皮设备

Brand: SAMSUNG Model: KLUDG4UHDB-B2D1

Version: 3.0 Data: 2019-12

Boot: Boot A RPMB: 0

CLK: 19.2MHz OTP: Locked

Capacity: 119GB FW Version: 1200

```

super: 0x41c00000 - 0x20e01000 (0.4GB)
version: 0x26ae00000 - 0x28edff000 (576.00MB)
preload: 0x28ee00000 - 0x2e65ff000 (1.37GB)
userdata: 0x2e6600000 - 0x772a7ff000 (465.06GB)
BackupGPT_3: 0x1dc97fb000 - 0xc97ff000 (20.00KB)

```

OEMINFO Partial Secure Write Protect:

Region0: start offset 0x2000000, length 0x800000(8.0MB)

Region1: start offset 0x5000000, length 0x800000(8.0MB)

OEMINFO

Cust Version1: BRA-AL00-CUST 104.0.0.115(C00)

Preload Version1: BRA-AL00-PRELOAD 104.0.0.11(C00R4)

Base Version1: BRA-LGRP1-CHN 104.0.0.116(SP8)

Country/Region:

303036303034323330316164616c6c2c636e03000292c896a671daed256288ba9b6e6df404de4b3926efc2cfdb3f0ac1d2514a4486865f27f4f3c299942a1f13c6460da325cad09a4e114a865d65011c38f5af6c075d718fce6d8de7826efb9a895cc4a1fbd9bc257735e67505cbf0356cc9d23406ea1da3fd95c055bdefe4be9d4244e999c32cfc64a1ee78882fae52b410e222c5e01bdfb5f2eadf58e1c761df0099c5f4562802a89d359b9a7289fdac2ca66bd2f682fbc19846bf6a7474067e3366887de6a902ad1e8693808d0cfaaf147a64692c458b0cf279a7cf8e90d28d85a24bb6774b897acf0bd56bb6bb1447fd6f1ca7e0c56feb18b3b10246d127ca65af27d365b7471930f833c09c1a47954726865e892b4aed18ab95362010ef3e6f547f4768c3fda650f016cfff8ee1330bd35615f4ef129799d6af87c3e5d459d20007eab22d1758176f57aee23c1204c38c3572a11b2504f360fd7cdf89fc90cec8260c4bed0fddb83b0daa5b6ab3c6907ae8d17797aa8e64e712cb1e085dab0f5e7d0becaaec0333e501756cf9d89b6c316f4463cfecd828d97d31e372612ea79e7d1e7be3f5fb3bea6b77aa024375c1d2ccb17d95c1f3af13c53f1592609847a7bba30571e3211d3cae97a5dccc3d541c3b8fd12231cb22a09c49bf13182d56b5b37c79b6e1b34fb45fb480cffabd63a17430c6c6412c20b4b1170c4700487f0c6bb09595cfd0c800480

USERAREA

FACTORY

ANDROID

SERVICES

Read Descriptor

Write Descriptor

Read Attribute

Write Attribute

Read Flag

Write Flag

重置UFS

Format UFS

RPMB

Select Key

Program Key

Get Counter

SAM Kingston SK WDC Micron

写DES配置

写时钟

格式化UFS

读取DES配置表

读取时钟

重置UFS

写DES配置

写时钟

格式化UFS

MIPI Tester

主页

设置

UFS 2.X

UFS 3.X

EMMC

Grea: HS-G2A

BUF: 32MB

读取安卓信息

备份重要分区

断开芯片

MIPI Connected

SN: 1881

FW: 10303

重置非皮设备

0.0MB/S

0 %

自定义设置LUN分区

Brand: SAMSUNG Model: KLUDG4UHDB-B2D1

Version: 3.0 Data: 2019-12

Boot: Boot A RPMB: 0

CLK: 19.2MHz OTP: Locked

Capacity: 119GB FW Version: 1200

Model Number: BRA-AL00

Number 0x5EF:

Cust Version2: BRA-AL00-CUST 104.0.0.115(C00)

Preload Version2: BRA-AL00-PRELOAD 104.0.0.11(C00R4)

Base Version2: BRA-LGRP1-CHN 104.0.0.116(SP8)

备份重要分区

读出 LUN_2_Part0_PrimaryGPT_2.bin Done

读出 LUN_2_Part2_persist.bin Done

读出 LUN_2_Part4_BackupGPT_2.bin Done

读出 LUN_3_Part0_PrimaryGPT_3.bin Done

读出 LUN_3_Part3_modem_secure.bin Done

读出 LUN_3_Part4_nvme.bin Done

读出 LUN_3_Part6_certification.bin Done

读出 LUN_3_Part7_oeminfo.bin Done

读出 LUN_3_Part9_modemnvmm_factory.bin Done

读出 LUN_3_Part10_modemnvmm_backup.bin Done

读出 LUN_3_Part11_modemnvmm_img.bin Done

读出 LUN_3_Part65_modem_fw.bin Done

读出 LUN_3_Part66_modem_vendor.bin Done

读出 LUN_3_Part67_modem_patch_nv.bin Done

读出 LUN_3_Part68_modem_driver.bin Done

读出 LUN_3_Part69_modemnvmm_update.bin Done

读出 LUN_3_Part70_modemnvmm_cust.bin Done

读出 LUN_3_Part88_BackupGPT_3.bin Done

读出 Attribute Done

读出 Descriptor Done

备份: C:/Users/Administrator/Desktop/MIPITester免改CLK版本/MIPITester_V2.22/Backups/SAMSUNG_KLUDG4UHDB-B2D1_2024-04-10-16-44-58

USERAREA FACTORY ANDROID SERVICES

Descriptor Access 00h: Access Disabled

Initial Power Mode 01h: Active Mode

High Priority LUN 7Fh

Secure Remove Type 00h: Erase of The Physical Memory

Name	大小	Boot
LUN0	4.00MB	Boot A
LUN1	4.00MB	Boot B
LUN2	8.00MB	
LUN3	119.15GB	
LUN4		
LUN5		
LUN6		
LUN7		

Device Capacity 100%

0B Available, Total 119GB

LUN Information

LUN Number 0

LU Enable 01h: Logical Unit enabled

Boot LUN ID 01h: Boot LU A

大小 4MB

Write Protection 00h: Not Write Protected

Memory Type 03h: Enhanced Memory Type 1

Data Reliability 01h: Is Protected

Block Size 0ch

Provisioning Type 02h: Enabled and TPRZ = 0

Reset 读出 写入 Load Save

MIPI Tester

主页

设置

UFS 2.X

UFS 3.X

EMMC

Grea: HS-G2A

BUF: 32MB

读取安卓信息

备份重要分区

断开芯片

MIPI Connected

SN: 1881

FW: 10303

重置非皮设备

0.0MB/S

0 %

Brand: SAMSUNG Model: KLUDG4UHDB-B2D1

Version: 3.0 Data: 2019-12

Boot: Boot A RPMB: 0

CLK: 19.2MHz OTP: Locked

Capacity: 119GB FW Version: 1200

Model Number: BRA-AL00

Number 0x5EF:

Cust Version2: BRA-AL00-CUST 104.0.0.115(C00)

Preload Version2: BRA-AL00-PRELOAD 104.0.0.11(C00R4)

Base Version2: BRA-LGRP1-CHN 104.0.0.116(SP8)

备份重要分区

读出 LUN_2_Part0_PrimaryGPT_2.bin Done

读出 LUN_2_Part2_persist.bin Done

读出 LUN_2_Part4_BackupGPT_2.bin Done

读出 LUN_3_Part0_PrimaryGPT_3.bin Done

读出 LUN_3_Part3_modem_secure.bin Done

读出 LUN_3_Part4_nvme.bin Done

读出 LUN_3_Part6_certification.bin Done

读出 LUN_3_Part7_oeminfo.bin Done

读出 LUN_3_Part9_modemnvmm_factory.bin Done

读出 LUN_3_Part10_modemnvmm_backup.bin Done

读出 LUN_3_Part11_modemnvmm_img.bin Done

读出 LUN_3_Part65_modem_fw.bin Done

读出 LUN_3_Part66_modem_vendor.bin Done

读出 LUN_3_Part67_modem_patch_nv.bin Done

读出 LUN_3_Part68_modem_driver.bin Done

读出 LUN_3_Part69_modemnvmm_update.bin Done

读出 LUN_3_Part70_modemnvmm_cust.bin Done

读出 LUN_3_Part88_BackupGPT_3.bin Done

读出 Attribute Done

读出 Descriptor Done

备份: C:/Users/Administrator/Desktop/MIPITester免改CLK版本/MIPITester_V2.22/Backups/SAMSUNG_KLUDG4UHDB-B2D1_2024-04-10-16-44-58

USERAREA FACTORY ANDROID SERVICES

bBootLunEn 01h: Enabled boot from Boot LU A

bCurrentPowerMode 11h: Active mode

bActiveICCLevel 00h: Lowest Active ICC level

bOutOfOrderDataEn 00h: Out-of-order data transfer is disabled

bBackgroundOpStatus 00h: Not required

bPurgeStatus 00h: Idle (purge operation disabled)

bMaxDataInSize 0x 8

bMaxDataOutSize 0x 8

dDynCapNeeded 0x 0

bRefClkFreq 0h: 19.2MHz

bConfigDescrLock 1h: Configuration Descriptor locked

bMaxNumOfRTT 0x 1

时钟设置

Reset 读出 写入 Load Save

MIPi Tester

主页

设置

UFS 2.X

UFS 3.X

EMMC

Grea: HS-G2A

BUF: 32MB

读取安卓信息

备份重要分区

断开芯片

MIPi Connected

SN: 1881

FW: 10303

重置半皮设备

0.0MB/S

0 %

Brand: SAMSUNG Model: KLUDG4UHDB-B2D1

Version: 3.0 Data: 2019-12

Boot: Boot A RPMB: 0

CLK: 19.2MHz OTP: Locked

Capacity: 119GB FW Version: 1200

Number 0x5EF:

Cust Version2: BRA-AL00-CUST 104.0.0.115(C00)

Preload Version2: BRA-AL00-PRELOAD 104.0.0.11(C00R4)

Base Version2: BRA-LGRP1-CHN 104.0.0.116(SP8)

备份重要分区

读出 LUN_2_Part0_PrimaryGPT_2.bin... Done

读出 LUN_2_Part2_persist.bin... Done

读出 LUN_2_Part4_BackupGPT_2.bin... Done

读出 LUN_3_Part0_PrimaryGPT_3.bin... Done

读出 LUN_3_Part3_modem_secure.bin... Done

读出 LUN_3_Part4_nvme.bin... Done

读出 LUN_3_Part6_certification.bin... Done

读出 LUN_3_Part7_ceinfo.bin... Done

读出 LUN_3_Part9_modemnvmm_factory.bin... Done

读出 LUN_3_Part10_modemnvmm_backup.bin... Done

读出 LUN_3_Part11_modemnvmm_img.bin... Done

读出 LUN_3_Part65_modem_fw.bin... Done

读出 LUN_3_Part66_modem_vendor_nv.bin... Done

读出 LUN_3_Part67_modem_patch_nv.bin... Done

读出 LUN_3_Part68_modem_driver.bin... Done

读出 LUN_3_Part69_modemnvmm_update.bin... Done

读出 LUN_3_Part70_modemnvmm_cust.bin... Done

读出 LUN_3_Part88_BackupGPT_3.bin... Done

读出 Attribute... Done

读出 Descriptor... Done

备份: C:/Users/Administrator/Desktop/MIPiTester/免改CLK 版本 MIPiTester_V2.22/Backups/SAMSUNG_KLUDG4UHDB-B2D1_2024-04-10-16-44-58

Read Descriptor Success

USERAREA FACTORY ANDROID SERVICES

fDeviceInit 0b: Device initialization completed or not started

fPermanentWPEn 00h: Permanent write protection disabled

fPowerOnWPEn 0b: Power on write protection disabled

fBackgroundOpsEn 1b: Device is permitted to run background operat

fDeviceLifeSpanModeEn 0b: Device Life Span Mode is disabled

fPurgeEnable 0b: Purge operation is disabled

fPhyResourceRemoval 0b: The device shall reset this flag to zero after cc

fBusyRTC 0b: Device is not executing internal operation rel

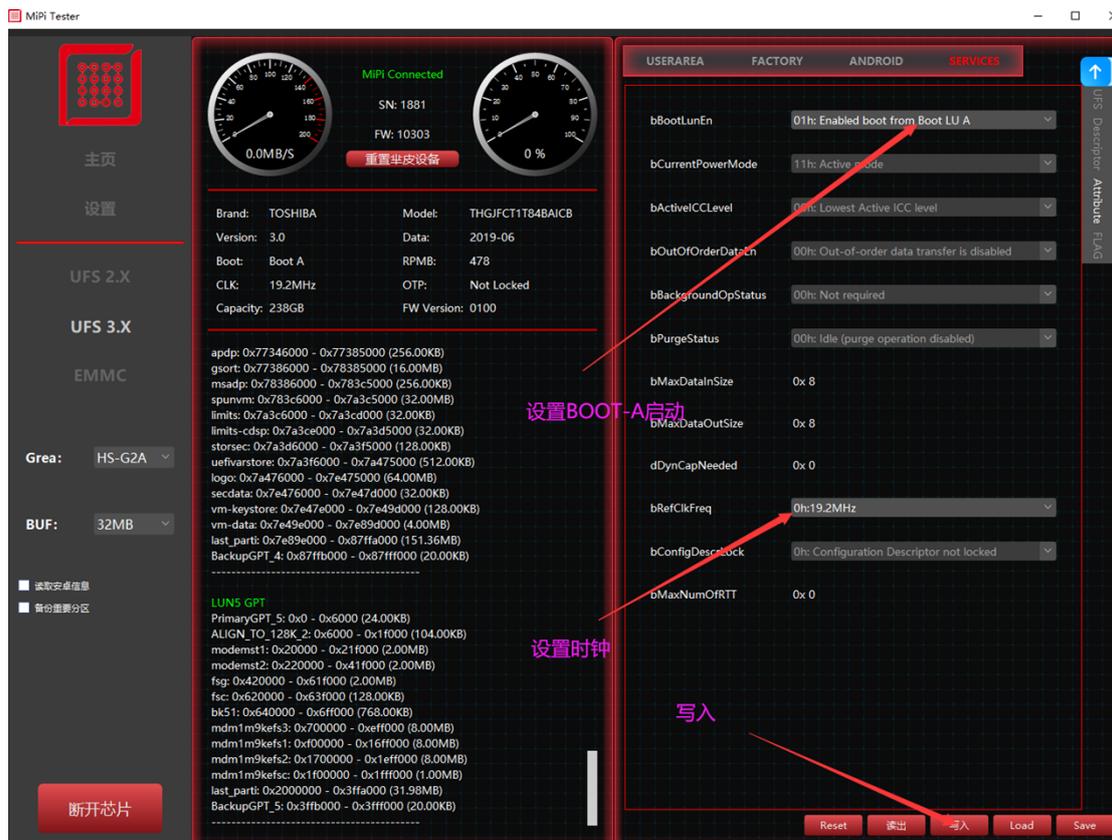
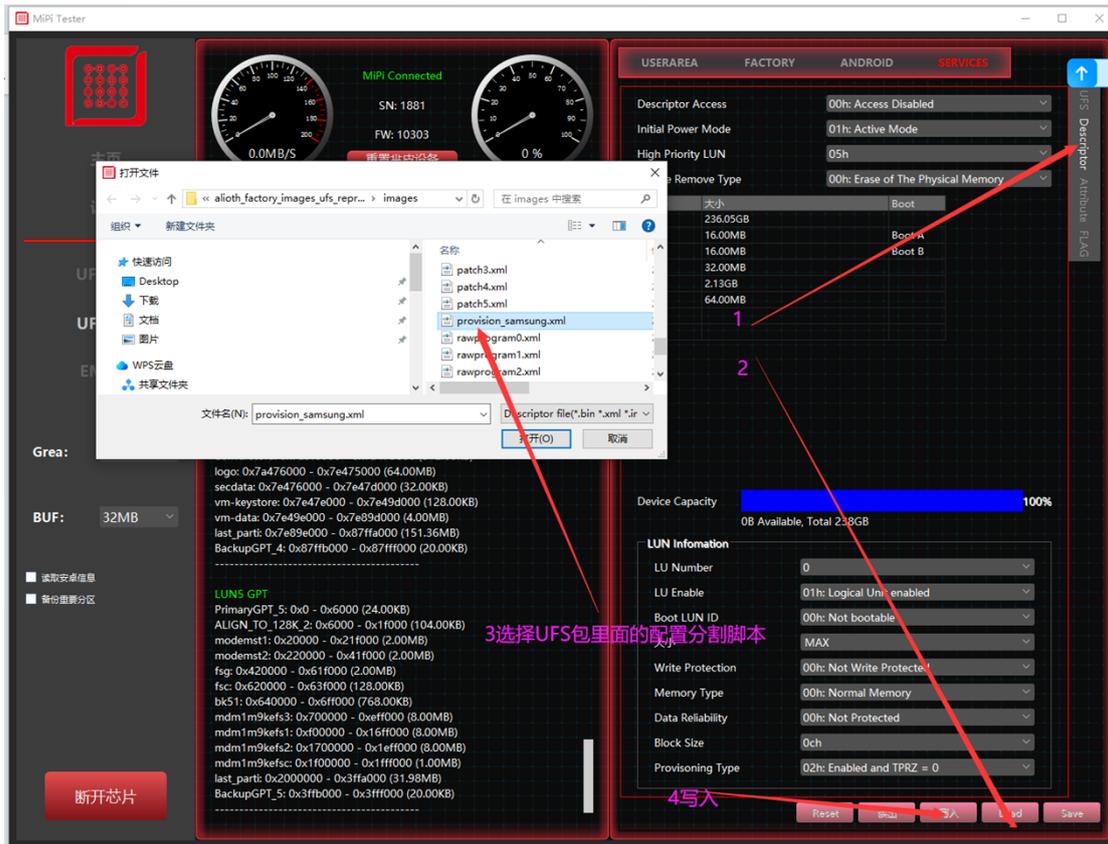
fPermanentDisFwUpdate 0b: The UFS device firmware may be modified

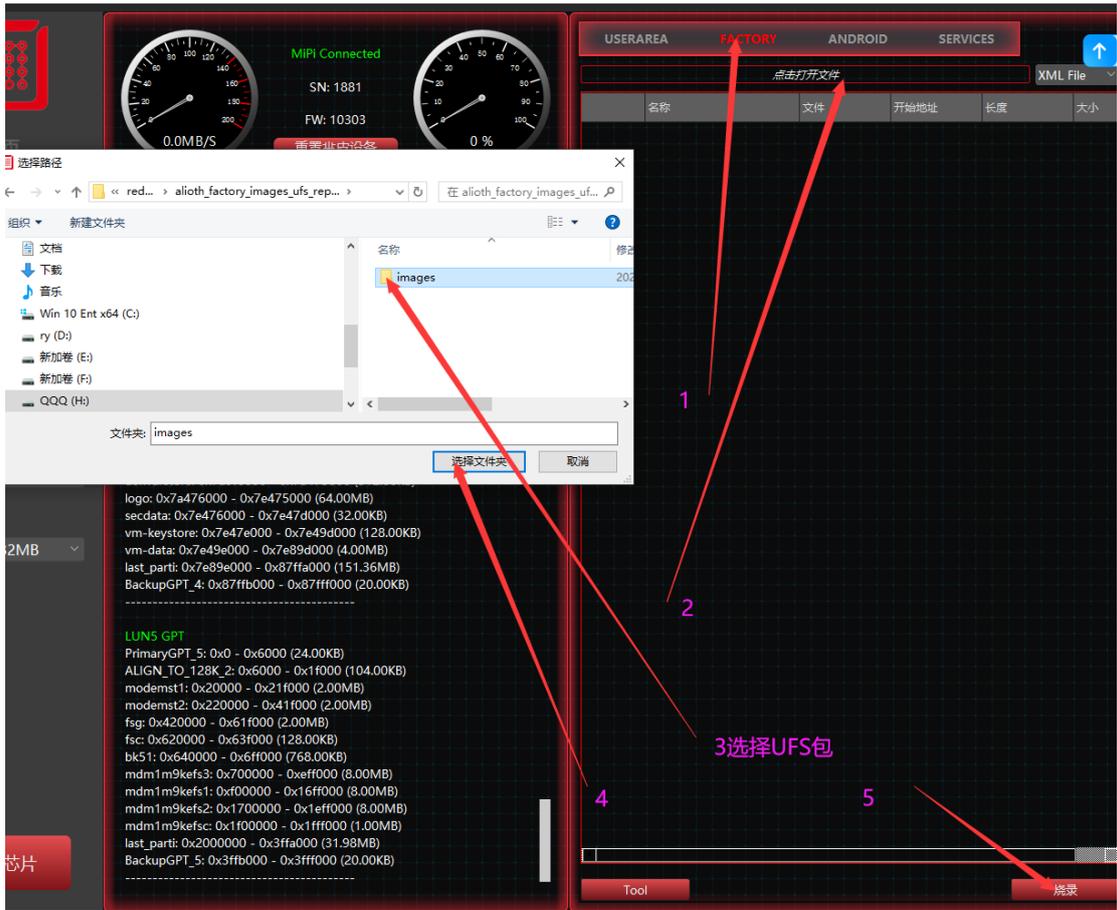
UFS Descriptor Attribute FLAG

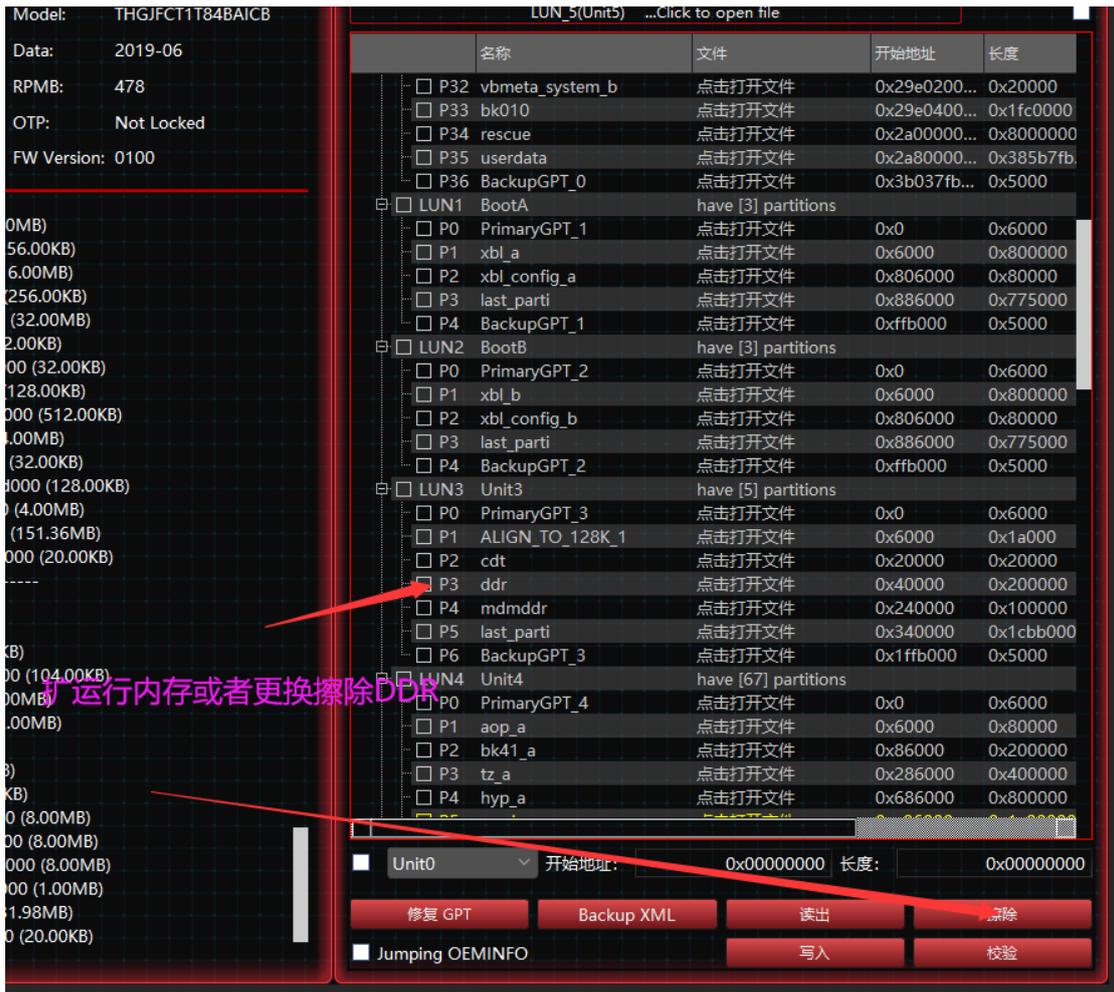
读取

读取UFS重要参数

高通扩容

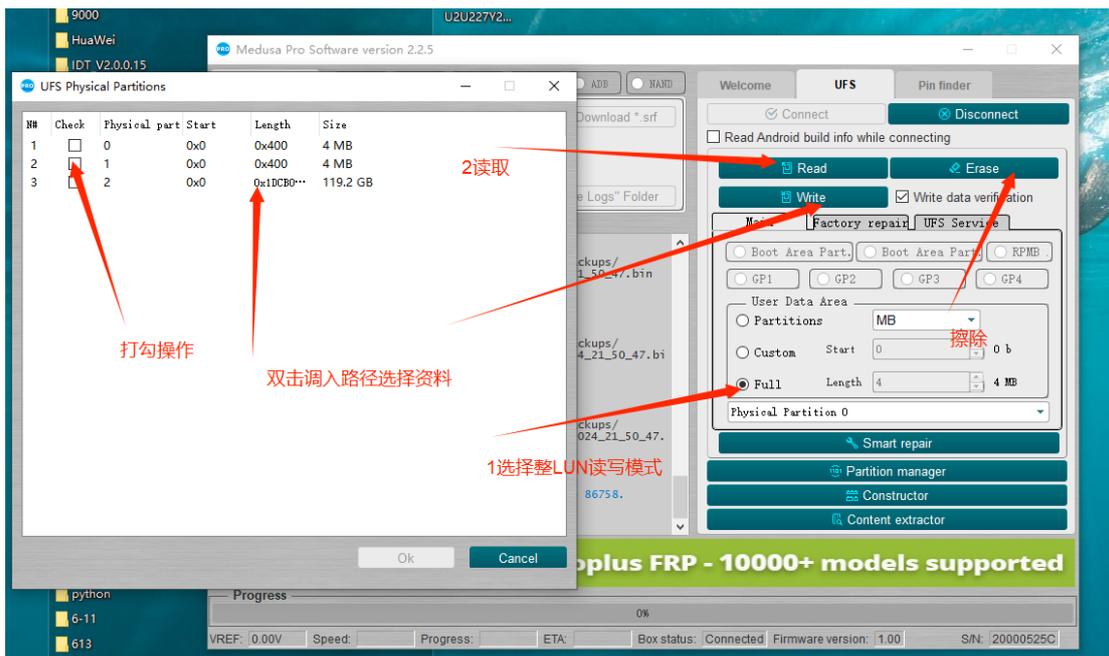
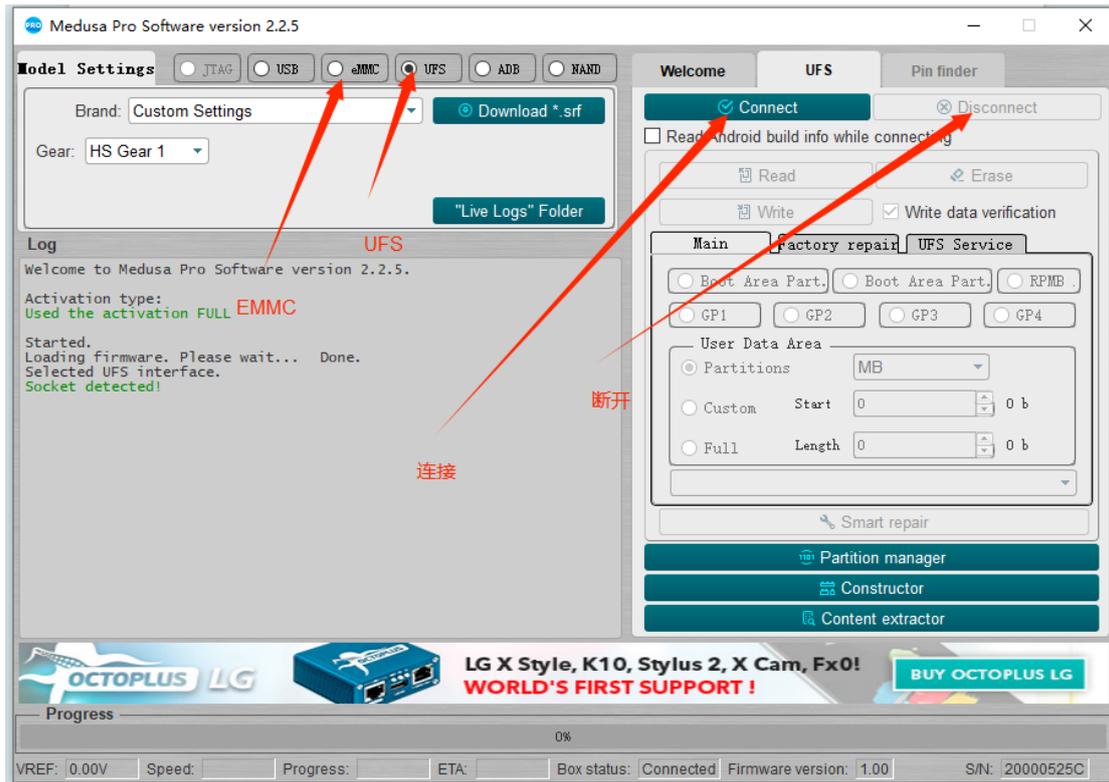


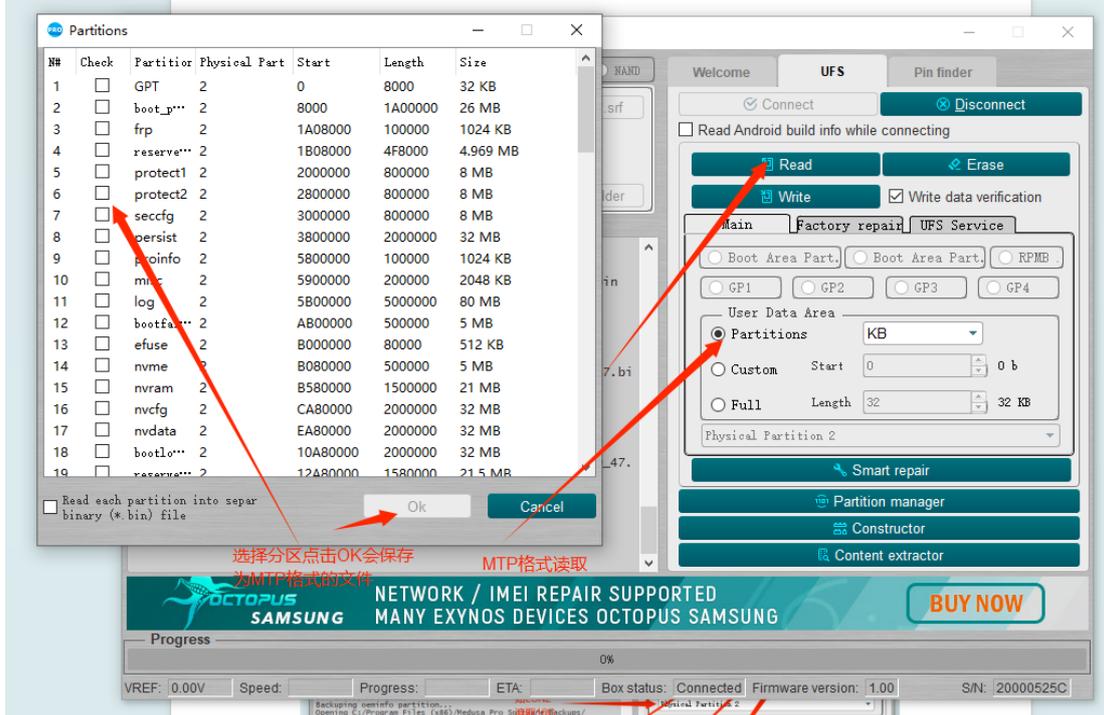
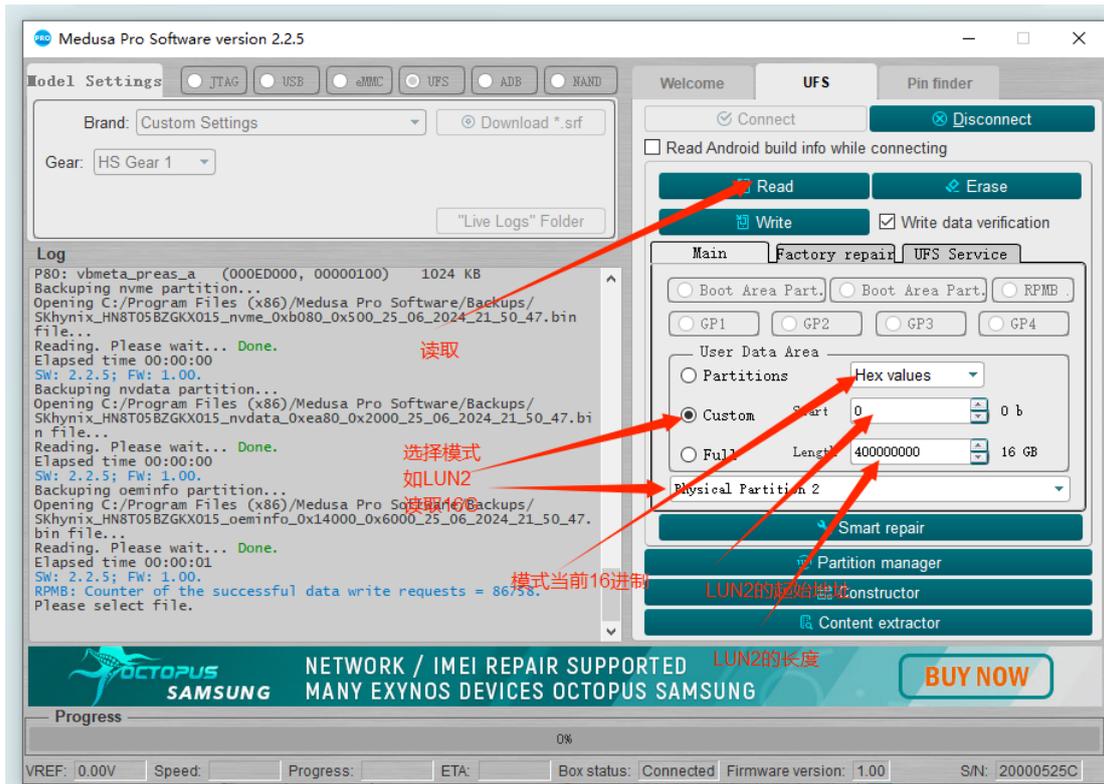


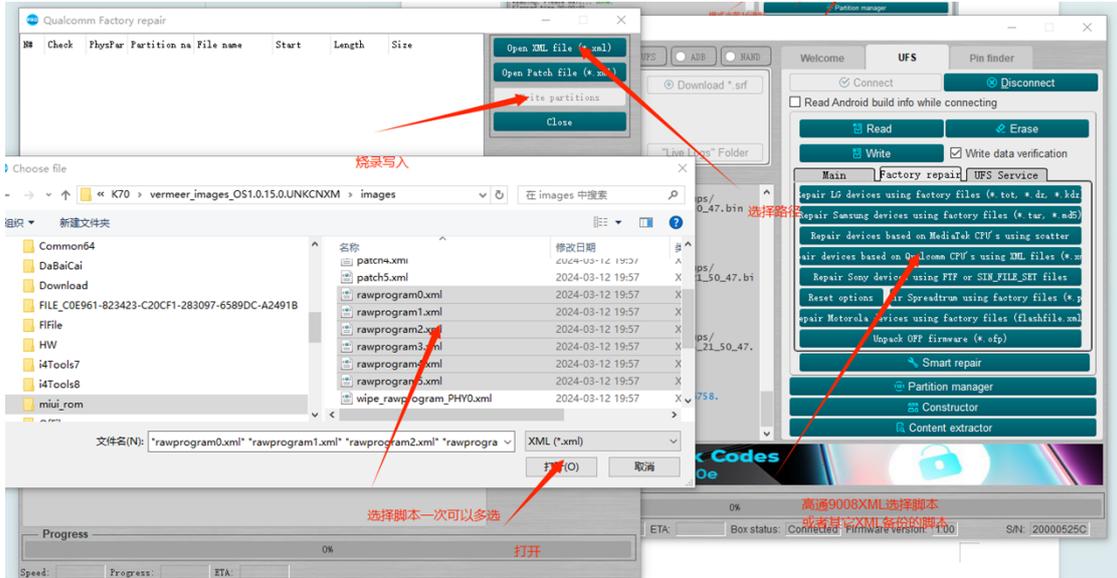
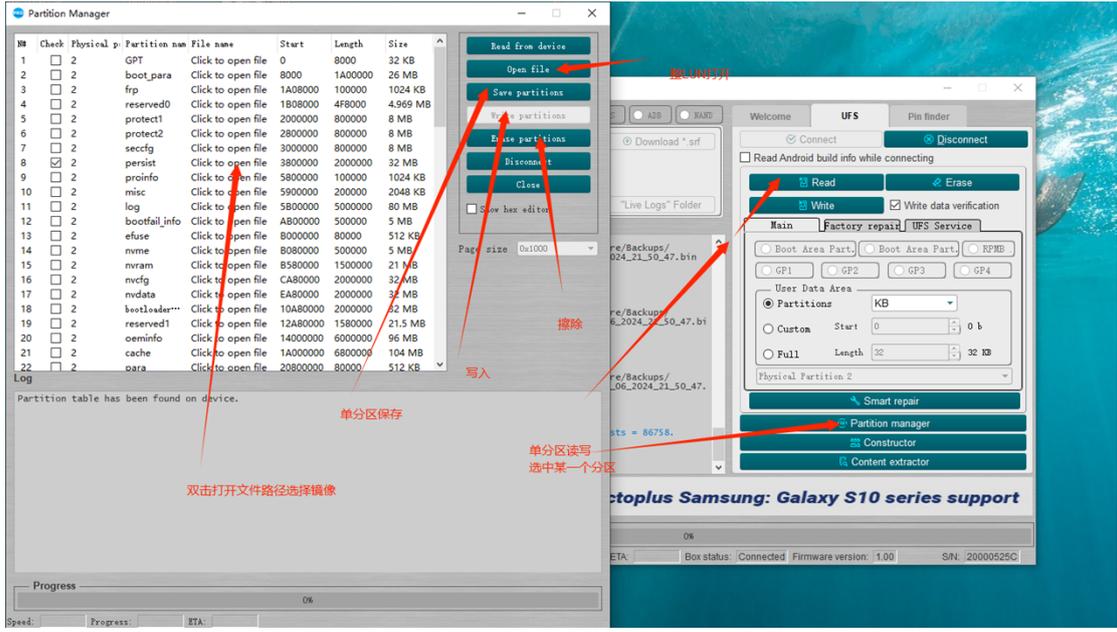


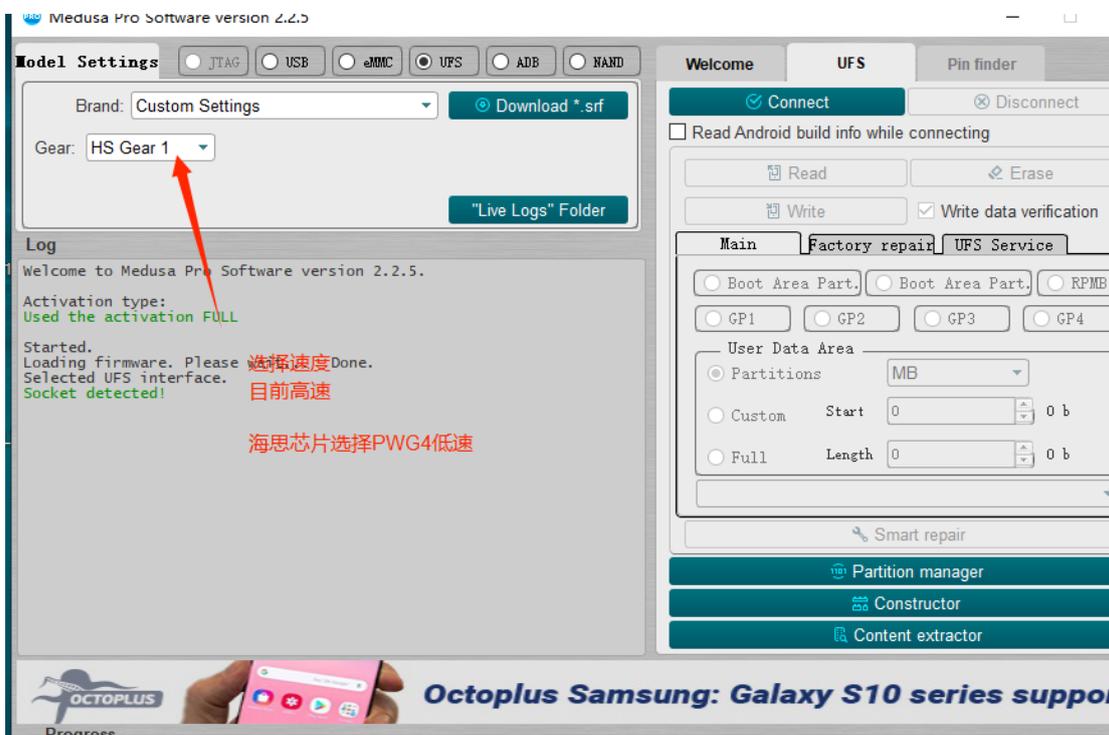
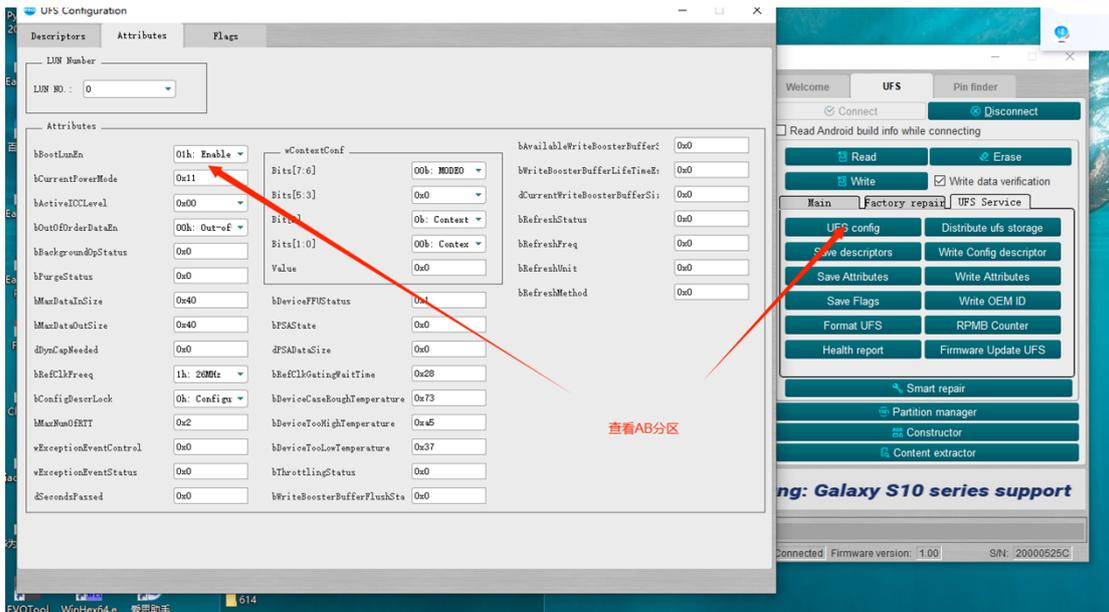
刷机写回原机 LUN5

美杜莎基本操作（其它功能自行研究）

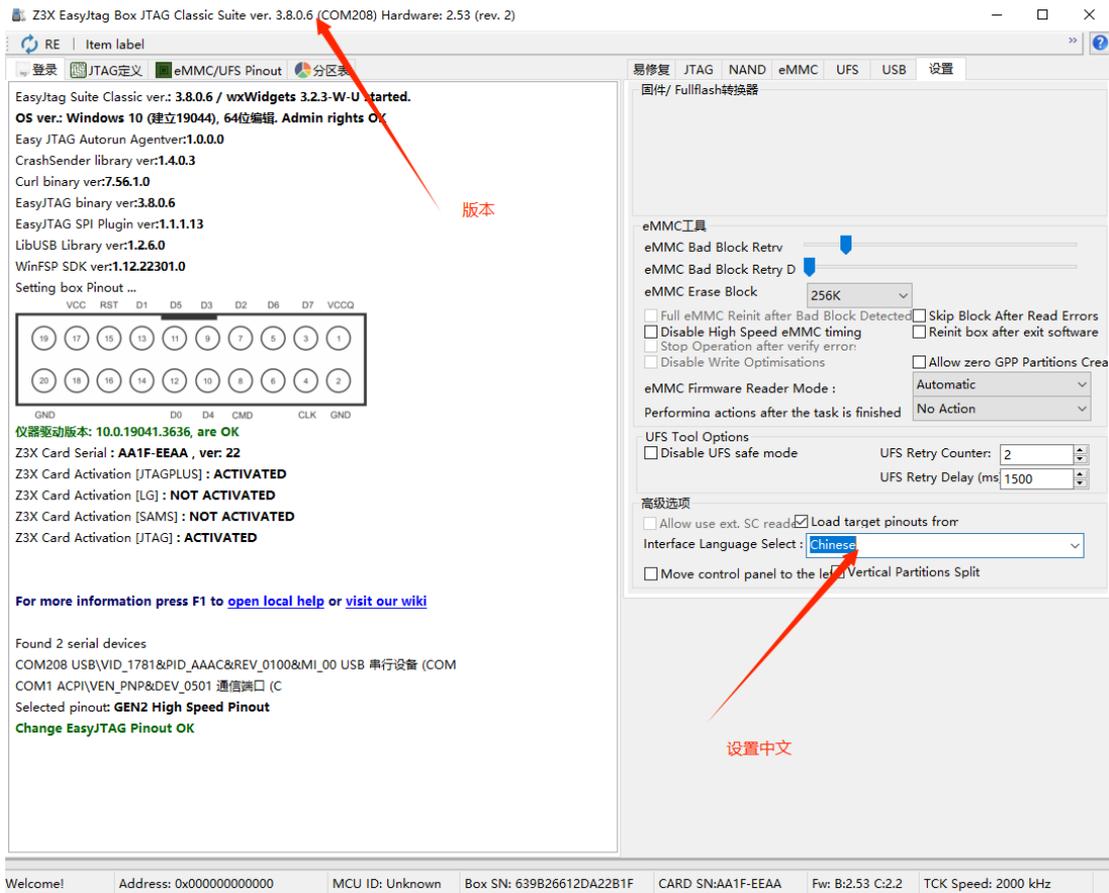






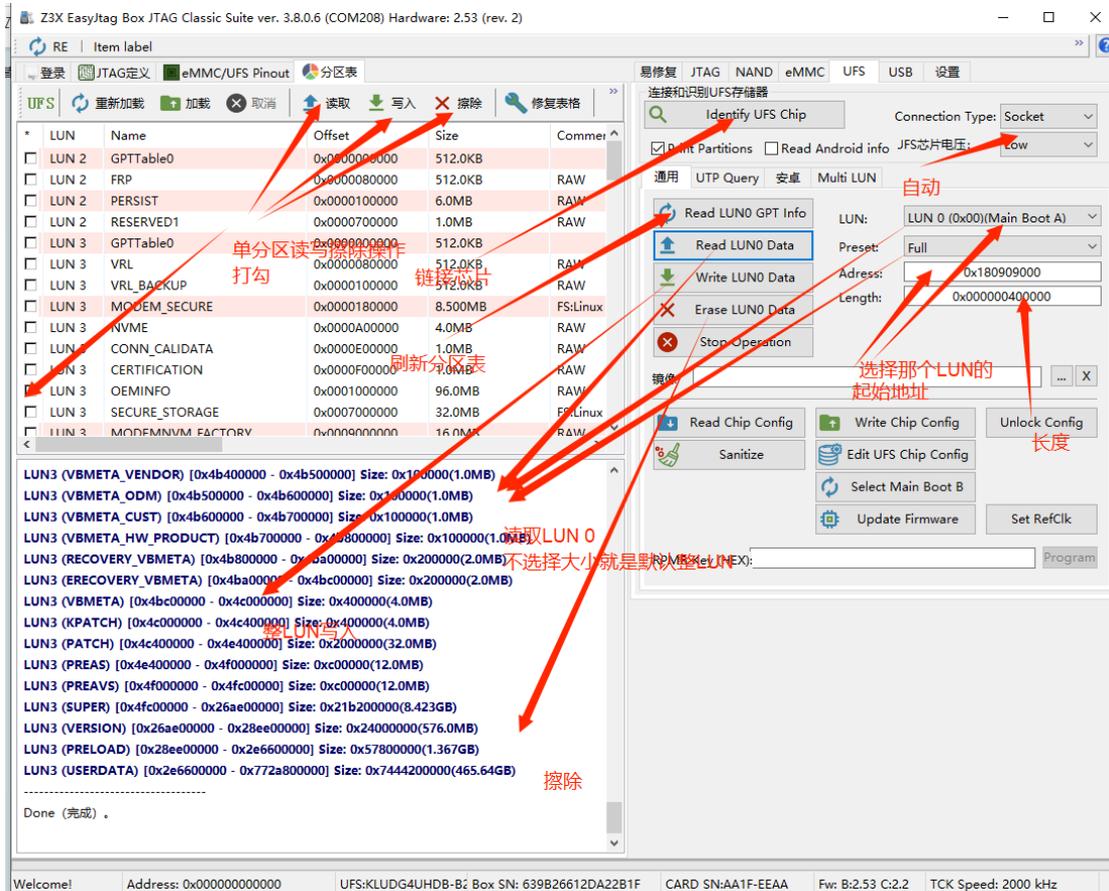


EASY-基本操作



版本

设置中文



RE | Item label

UFS 重新加载 加载 取消 读取 写入 擦除 修复表格

LUN	Name	Offset	Size	Commer
LUN 2	GPTTable0	0x0000000000	512.0KB	
LUN 2	FRP	0x0000080000	512.0KB	RAW
LUN 2	PERSIST	0x0000100000	6.0MB	RAW
LUN 2	RESERVED1	0x0000700000	1.0MB	RAW
LUN 3	GPTTable0	0x0000000000	512.0KB	
LUN 3	VRL	0x0000080000	512.0KB	RAW
LUN 3	VRL_BACKUP	0x0000100000	512.0KB	RAW
LUN 3	MODEM_SECURE	0x0000180000	8.500MB	FS:Linux
LUN 3	NVME	0x0000A00000	4.0MB	RAW
LUN 3	CONN_CALIDATA	0x0000E00000	1.0MB	RAW
LUN 3	CERTIFICATION	0x0000F00000	1.0MB	RAW
LUN 3	OEMINFO	0x0001000000	96.0MB	RAW
LUN 3	SECURE_STORAGE	0x0007000000	32.0MB	FS:Linux
LUN 3	MODEMNVMM_FACTORY	0x0009000000	16.0MB	RAW

单分区打勾点写入会跳出选择文件

LUN3 (VBMETA_VENDOR) [0x4b400000 - 0x4b500000] Size: 0x100000(1.0MB)
 LUN3 (VBMETA_ODM) [0x4b500000 - 0x4b600000] Size: 0x100000(1.0MB)
 LUN3 (VBMETA_CUST) [0x4b600000 - 0x4b700000] Size: 0x100000(1.0MB)
 LUN3 (VBMETA_HW_PRODUCT) [0x4b700000 - 0x4b800000] Size: 0x100000(1.0MB)
 LUN3 (RECOVERY_VBMETA) [0x4b800000 - 0x4ba00000] Size: 0x200000(2.0MB)
 LUN3 (ERECOVERY_VBMETA) [0x4ba00000 - 0x4bc00000] Size: 0x200000(2.0MB)
 LUN3 (VBMETA) [0x4bc00000 - 0x4c000000] Size: 0x400000(4.0MB)
 LUN3 (KPATCH) [0x4c000000 - 0x4c400000] Size: 0x400000(4.0MB)
 LUN3 (PATCH) [0x4c400000 - 0x4e400000] Size: 0x200000(32.0MB)
 LUN3 (PREAS) [0x4e400000 - 0x4f000000] Size: 0xc00000(12.0MB)
 LUN3 (PREAVS) [0x4f000000 - 0x4fc00000] Size: 0xc00000(12.0MB)
 LUN3 (SUPER) [0x4fc00000 - 0x26ae00000] Size: 0x21b200000(8.423GB)
 LUN3 (VERSION) [0x26ae00000 - 0x28ee00000] Size: 0x24000000(576.0MB)
 LUN3 (PRELOAD) [0x28ee00000 - 0x2e6600000] Size: 0x57800000(1.367GB)
 LUN3 (USERDATA) [0x2e6600000 - 0x772a800000] Size: 0x7444200000(465.64GB)

Done (完成)

整LUN选择镜像路径

读取配置参数

写入配置参数

切换AB分区

座子
ISP模式选择

易修复 JTAG NAND eMMC UFS USB 设置

连接和识别UFS存储器

Identify UFS Chip Connection Type: Socket
 JFS芯片电压: Low

Print Partitions Read Android info

通用 UTP Query 安卓 Multi LUN

Read LUN0 GPT Info LUN: LUN0 (0x0000 Main Boot A)
 Read LUN0 Data Preset: Full
 Write LUN0 Data Address: 0x180909000
 Erase LUN0 Data Length: 0x000000400000
 Stop Operation

镜像

Read Chip Config Write Chip Config Unlock Config
 Sanitize Exit UFS Chip Config Select Main Boot B Update Firmware Set RefClk

RPMB Key (HEX) Program

Welcome! Address: 0x000000000000 UFS:KLUDG4UHDB-B; Box SN: 639B26612DA22B1F CARD SN:AA1F-EEAA Fw: B:2.53 C:2.2 TCK Speed: 2000 kHz