

MFT 操作手册

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Revision History

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Revision Number Descriptions

Revision	Associated Life Cycle Milestone	Release Information
0.1	Initial Draft	Release Draft



1 简介

此文档介绍了工厂在下载中MFT的安装，使用及注意事项。

1.1 缩写

Term	Description
MFT	Manufacturing Flash Tool
eMMC	Embedded Multi-Media Card
UEFI	Unified Extensible Firmware Interface
USB	Universal Serial Bus

2 MFT 的安装

2.1 驱动安装

按如下步骤安装驱动：

1. 安装 iSOC 驱动：iSocUSB-Driver-Setup-1.2.0；
2. 安装 USB 驱动：IntelAndroidDrvSetup1.5.0；
3. 注册表配置和安装：参考“工厂下载环境配置.docx”2.2 节；

所需软件均需从 Intel MDC 或 MCP 上获取。

2.2 MFT 安装

4. 安装 MFT6.0.43.exe，将覆盖以前版本。

注意，MFT6.0.43 需要对应的 iSOC 和 USB 驱动，如上所述，不可使用老版本。

5. 将 CUSTOM_CONFIG.INI 文件复制到 MFT 安装目录下。文件参考图 2。

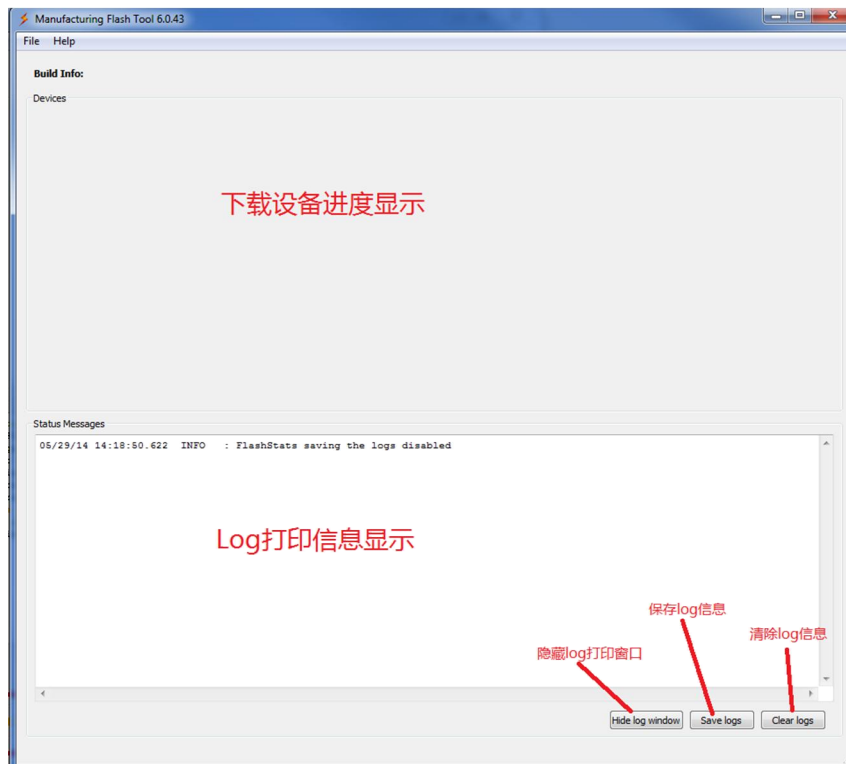




图 1 MFT 界面

下载过程中，若出现错误，请保存 log，待后续分析。



图 2 MFT 下载配置文件

3 MFT 配置

本章介绍如何配置 MFT。

3.1 MFT Settings

打开 MFT，选择“File”->“Settings”，显示如下：

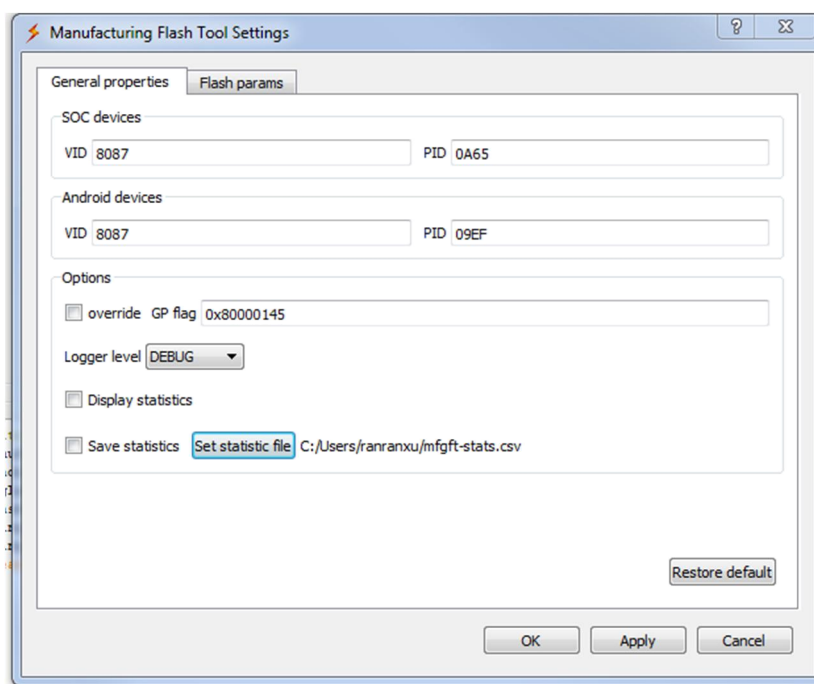


图 3 Settings 配置

在“General properties”选项中：

“SOC devices”设置为：VID: 8087，PID：0A65;

“Android devices”设置为：VID: 8087，PID: 09EF;此选项根据客户改动，自行更改。

“override GP flag”不要勾选；

“Logger level”根据需要打印信息的多少适配选择；

“Display statistics”选中后，会在 MFT 的底部显示历史下载信息，如总共下载次数，失败次数，在哪个阶段下载失败。建议在下载过程中选中此项。如果不选择，将不会显示历史下载信息。如图 2 所示。

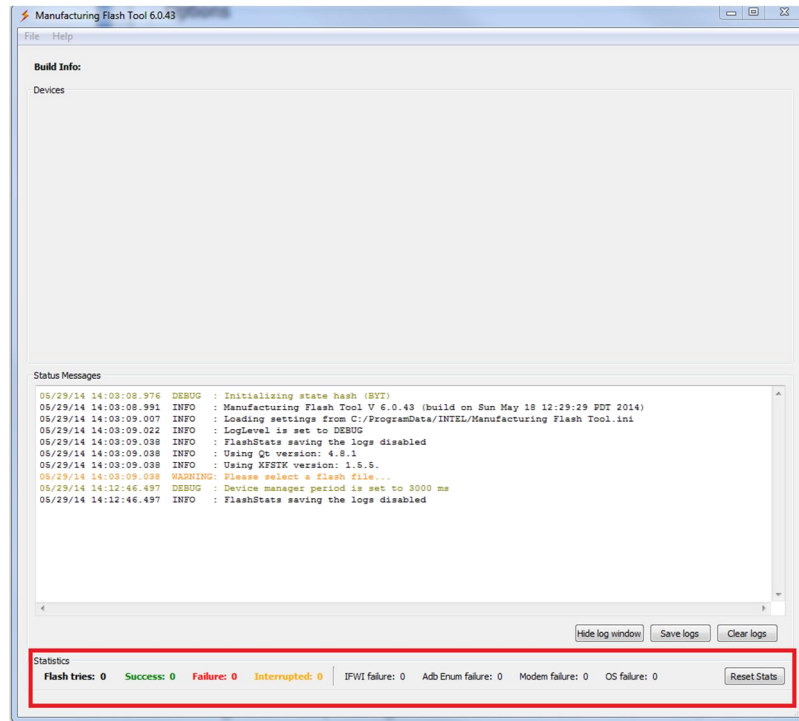


图 4 显示历史下载信息

“Save Statistics”不要勾选。

另外，点击“File”->“Remove completed devices”会将当前下载成功或失败的设备进度条从 UI 界面中清除掉。

更详细的 MFT 设置方法，请点击“Help”->“Documentation”查看 User Guide。

3.2 镜像和 xml 配置

在 PC 上建立一个目录，将所有下载所需镜像（UEFI Stage2, efilinux.efi, partition.tbl, esp.img, boot.img, droidboot.img, boot.img, system.img, etc）和 xml 放在此目录下。

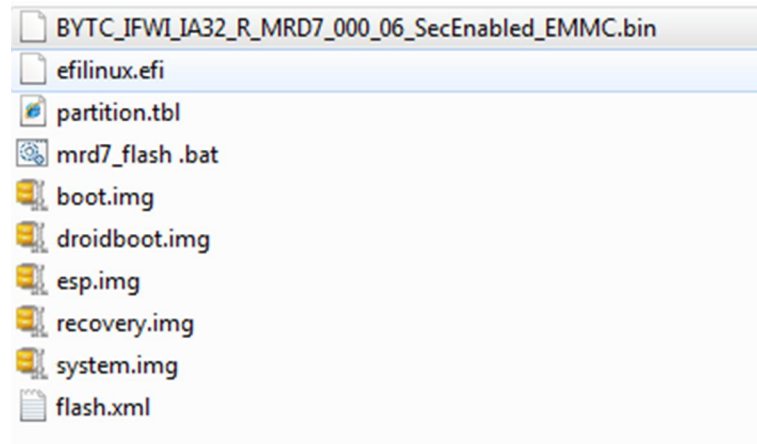


图 5 镜像列表

Xml 用来记录镜像索引以及下载过程中执行的命令。

注意：命令只包含在 droidboot 下载阶段的命令，pre-stage2 和 DNX 模式下的命令被封装在了 MFT 工具中。



图 6 xml

Xml 文件中，<code_group>记录了需要下载的镜像的索引。<command>记录了在进入 droidboot 阶段需要执行的命令。需要下载的镜像索引和命令，客户根据需要自行修改。

3.3 加载 xml

点击“File”->“Open...”，加载 xml 文件。如果显示有错误，请查看是否 xml 和镜像有误/匹配。

到此，MFT 配置完成，可以连接板子开始下载。