



自动扫口和自动识别下载口



内容简介

- 工具界面(UI)改变
- 自动扫口
- 自动识别下载口



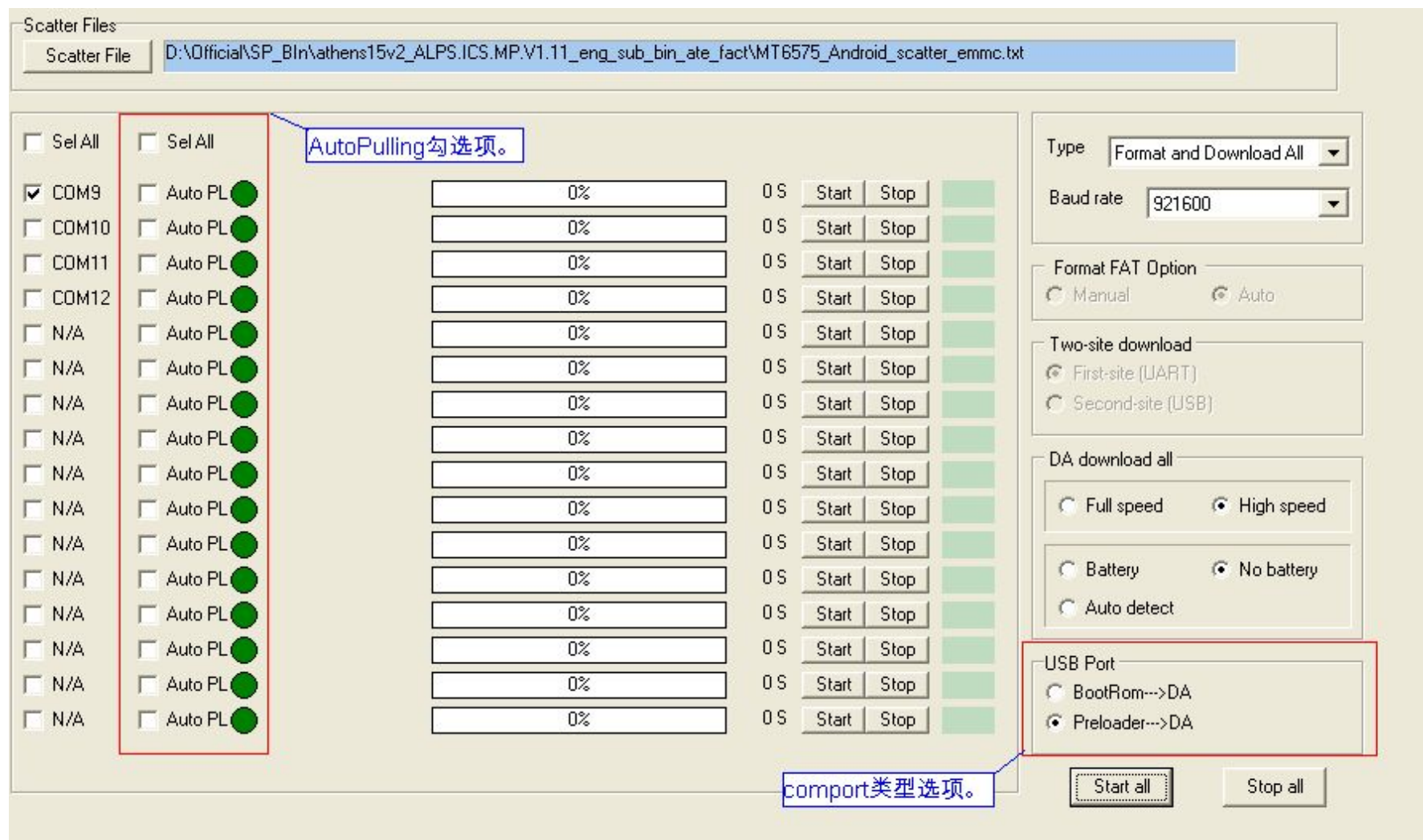
工具界面(UI)改变



工具界面(UI)改变

- 在每一路下载口前增加**索引标识**
- 去掉Comport类型选项, 替换为**Autopulling选项**
- 每一路下载的界面同时显示Bootrom口索引和Preloader口索引。
 - 表示这一路下载在**下载时可以自动识别出**的Bootrom Com索引和Preloader Com索引。
 - Com56+Com9 表示当前这路下载可以自动识别Bootrom Com56或者Preloader Com9的设备插入。

工具界面(UI)改变—改变前



工具界面(UI)改变—改变后

Scatter Files
Scatter File D:\Official\SP_Bln\athens15v2_ALPS.MP.V1.11_eng_sub_bin_ato_fact\MT6575_Android_scatter_emmc.txt

BootRom+PreLoader COM

1	<input checked="" type="checkbox"/> COM56 + COM 9	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
2	<input checked="" type="checkbox"/> COM57 + COM24	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
3	<input type="checkbox"/> COM84 + COM85	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
4	<input type="checkbox"/> COM86 + COM87	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
5	<input type="checkbox"/> COM89 + COM90	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
6	<input type="checkbox"/> COM91 + COM92	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
7	<input type="checkbox"/> COM93 + COM94	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
8	<input type="checkbox"/> COM95 + COM96	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
9	<input type="checkbox"/> COM97 + COM98	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
10	<input type="checkbox"/> COM99 + COM100	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
11	<input type="checkbox"/> COM101 + COM102	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
12	<input type="checkbox"/> COM103 + COM104	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
13	<input type="checkbox"/> COM105 + COM106	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
14	<input type="checkbox"/> COM103 + COM104	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
15	<input type="checkbox"/> COM101 + COM102	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>
16	<input type="checkbox"/> COM93 + COM94	<input type="text" value="0%"/>	0 S	Start	Stop	<input type="checkbox"/>

comport索引显示，第一列为BootRom口，第二列为Preloader口。例如Com56+Com9，表示Bootrom Com为56口，Preloader Com为9口。

每个comport口索引。

1.把之前的Comport类型选项替换为AutoPulling选项
2.勾选上这个选项，则download成功一支手机之后，会自动等待下一支手机插入进行download。
3.勾选后，对所有的下载Com口有效。

Type Format and Download All
Baud rate 921600

Format FAT Option
 Manual Auto

Two-site download
 First-site (UART)
 Second-site (USB)

DA download all
 Full speed High speed
 Battery No battery
 Auto detect

AutoPulling
 EnableAutoPulling

Start all Stop all
Scan

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自动扫口



自动扫口—介绍

■ 扫口原理:

- 插入设备时, 先扫Bootrom com, 然后下载DA到手机, 让手机枚举 Preloader Com, 以便达到同时扫出Bootrom com和Preloader Com的目的

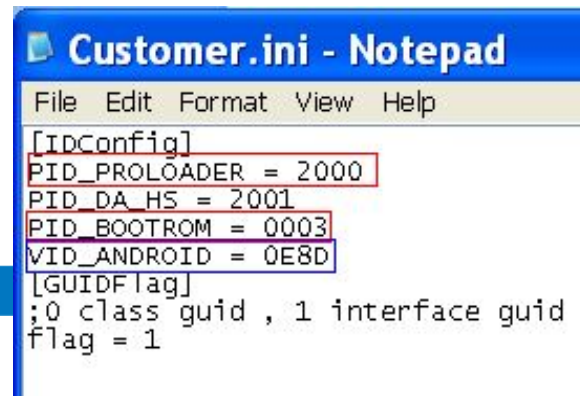
■ 扫口前准备:

- 使用W1308版本或者之后的MDT tool
- 选择与MDT对应版本的DA和设备对应的Scatter file
- 准备一只没有下载过的USB设备, 即空机

注: 如果USB 设备有接出Kcol0下载触发键, 则可以使用下载image后的USB设备, 这时需要压下Kcol0来触发进入扫口。

■ MDT Tool如何识别Bootrom口和Preloader口

- 工具根目录的配置文件Customer.ini
- Vid&Pid如右图:
 - Bootrom为0E8D&0003
 - Preloader为0E8D&2000



```
Customer.ini - Notepad
File Edit Format View Help
[IdConfig]
PID_PROLOADER = 2000
PID_DA_HS = 2001
PID_BOOTROM = 0003
VID_ANDROID = 0E8D
[GUIDFlag]
;0 class guid , 1 interface guid
flag = 1
```


自动扫口—步骤(1)

The screenshot shows the configuration interface for the MTK database tool. It includes fields for Data source file, DA file name, Authentication file, Certification File, and Scatter Files. A table lists COM ports with checkboxes and progress indicators. On the right, there are settings for Type, Baud rate, Format FAT Option, Two-site download, DA download all, and AutoPulling. A Scan button is highlighted at the bottom.

Data source file: MTK_DATABASE.mdb

DA file name: E:\SP_Tool\MDT\OfficialModify\SVN_MDT\output\MTK_AllInOne_DA.bin

Authentication file: [Empty]

Certification File: [Empty]

Scatter Files: Scatter File: D:\Official\SP_Bin\athens15v2_ALPS.ICP.V1.11_eng_sub_bin_ate_fact\MT6575_Android_scatter_emmc.txt

Table:

Item	COM	Progress	Time	Start	Stop	Status
1	<input checked="" type="checkbox"/> COM56 + COM 9	0%	0 S	Start	Stop	Green
2	<input checked="" type="checkbox"/> COM57 + COM24	0%	0 S	Start	Stop	Green
3	<input checked="" type="checkbox"/> COM84 + COM85	0%	0 S	Start	Stop	Green
4	<input type="checkbox"/> COM86 + COM87	0%	0 S	Start	Stop	Green
5	<input type="checkbox"/> COM89 + COM90	0%	0 S	Start	Stop	Green
6	<input type="checkbox"/> COM91 + COM92	0%	0 S	Start	Stop	Green
7	<input type="checkbox"/> COM93 + COM94	0%	0 S	Start	Stop	Green
8	<input type="checkbox"/> COM95 + COM96	0%	0 S	Start	Stop	Green
9	<input type="checkbox"/> COM97 + COM98	0%	0 S	Start	Stop	Green
10	<input type="checkbox"/> COM99 + COM100	0%	0 S	Start	Stop	Green
11	<input type="checkbox"/> COM101 + COM102	0%	0 S	Start	Stop	Green
12	<input type="checkbox"/> COM103 + COM104	0%	0 S	Start	Stop	Green
13	<input type="checkbox"/> COM105 + COM106	0%	0 S	Start	Stop	Green
14	<input type="checkbox"/> COM103 + COM104	0%	0 S	Start	Stop	Green
15	<input type="checkbox"/> COM101 + COM102	0%	0 S	Start	Stop	Green
16	<input type="checkbox"/> COM93 + COM94	0%	0 S	Start	Stop	Green

Annotations:

- 步骤1: 选择MDT对应的DA 版本和设备对应的Scatter file.
- 步骤2: 对需要扫口的选项进行勾选.
- 步骤3: 点击Scan按钮.

自动扫口—步骤(2)

Scatter Files

Scatter File: D:\Official\SP_BIn\athens15v2_ALPS.ICS.MP.V1.11_eng_sub_bin_ate_fact\MT6575_Android_scatter_emmc.txt

BootRom+PreLoader COM

1	<input checked="" type="checkbox"/>	COM56 + COM 9	0%	0 S	Start	Stop	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	COM57 + COM24	0%	0 S	Start	Stop	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	COM84 + COM85					<input type="checkbox"/>
4	<input type="checkbox"/>	COM86 + COM87					<input type="checkbox"/>
5	<input type="checkbox"/>	COM89 + COM90					<input type="checkbox"/>
6	<input type="checkbox"/>	COM91 + COM92					<input type="checkbox"/>
7	<input type="checkbox"/>	COM93 + COM94					<input type="checkbox"/>
8	<input type="checkbox"/>	COM95 + COM96					<input type="checkbox"/>
9	<input type="checkbox"/>	COM97 + COM98					<input type="checkbox"/>
10	<input type="checkbox"/>	COM99 + COM100					<input type="checkbox"/>
11	<input type="checkbox"/>	COM101 + COM102					<input type="checkbox"/>
12	<input type="checkbox"/>	COM103 + COM104					<input type="checkbox"/>
13	<input type="checkbox"/>	COM105 + COM10E					<input type="checkbox"/>
14	<input type="checkbox"/>	COM103 + COM104					<input type="checkbox"/>
15	<input type="checkbox"/>	COM101 + COM102					<input type="checkbox"/>
16	<input type="checkbox"/>	COM93 + COM94					<input type="checkbox"/>

Type: Format and Download All

Baud rate: 921600

Format FAT Option: Manual Auto

Two-site download: First-site (UART) Second-site (USB)

DA download all: Full speed High speed

Battery No battery

Auto detect

AutoPulling: EnableAutoPulling

Start all Stop all

Scan Comport Warning

The selected comports will be reset, are you sure to scan comports?

步骤4: 确认是否扫口, 点击“Yes”, 则勾选的口会被重设, 然后进入扫口操作。点击“No”则退出扫口操作。

自动扫口—步骤(3)

Scatter Files

Scatter File: D:\Official\SP_Bln\athens15v2_ALPS.IC.S.MP.V1.11_eng_sub_bin_ate_fact\MT6575_Android_scatter_emmc.txt

BootRom+PreLoader COM

1	<input checked="" type="checkbox"/> N/A + N/A	0%	0 S	Start	Stop
2	<input checked="" type="checkbox"/> N/A + N/A	0%	0 S	Start	Stop
3	<input checked="" type="checkbox"/> N/A + N/A	0%	0 S	Start	Stop
4	<input type="checkbox"/> COM86 + COM87	0%	0 S	Start	Stop
5	<input type="checkbox"/> COM89 + COM90	0%	0 S	Start	Stop
6	<input type="checkbox"/> COM91 + COM92	0%	0 S	Start	Stop
7	<input type="checkbox"/> COM93 + COM94	0%	0 S	Start	Stop
8	<input type="checkbox"/> COM95 + COM96	0%	0 S	Start	Stop
9	<input type="checkbox"/> COM97 + COM98	0%	0 S	Start	Stop
10	<input type="checkbox"/> COM99 + COM100	0%	0 S	Start	Stop
11	<input type="checkbox"/> COM101 + COM102	0%	0 S	Start	Stop
12	<input type="checkbox"/> COM103 + COM104	0%	0 S	Start	Stop
13	<input type="checkbox"/> COM105 + COM106	0%	0 S	Start	Stop
14	<input type="checkbox"/> COM103 + COM104	0%	0 S	Start	Stop
15	<input type="checkbox"/> COM101 + COM102	0%	0 S	Start	Stop
16	<input type="checkbox"/> COM93 + COM94	0%	0 S	Start	Stop

Format type: Format and Download All
Download rate: 921600

Format FAT Option: Manual Auto

Two-site download: First-site (UART) Second-site (USB)

DA download all: Full speed High speed

Battery No battery Auto detect

AutoPulling: EnableAutoPulling

Start all Stop all Scan

步骤5：状态灰显表示等待插入USB设备，请插入没有下载过的USB设备即插入空机。请不要一次插入多个USB设备，扫口只能扫完一路之后再继续进行下一路扫口。

自动扫口—步骤(4)

Scatter Files
Scatter File: D:\Official\SP_Bln\athens15v2_ALPS.ICS.MP.V1.11_eng_sub_bin_ate_fact\MT6575_Android_scatter_emmc.txt

说明：插入USB设备后，Com57表示扫出Bootrom为Com57，然后下载DA，下载完之后，DA会枚举出Preloader口。

Item	COM	Progress	Time	Start	Stop
1	<input checked="" type="checkbox"/> COM57 + N/A	DA 100%	0 S	Start	Stop
2	<input checked="" type="checkbox"/> N/A + N/A	0%	0 S	Start	Stop
3	<input checked="" type="checkbox"/> N/A + N/A	0%	0 S	Start	Stop
4	<input type="checkbox"/> COM86 + COM87	0%	0 S	Start	Stop
5	<input type="checkbox"/> COM89 + COM90	0%	0 S	Start	Stop
6	<input type="checkbox"/> COM91 + COM92	0%	0 S	Start	Stop
7	<input type="checkbox"/> COM93 + COM94	0%	0 S	Start	Stop
8	<input type="checkbox"/> COM95 + COM96	0%	0 S	Start	Stop
9	<input type="checkbox"/> COM97 + COM98	0%	0 S	Start	Stop
10	<input type="checkbox"/> COM99 + COM100	0%	0 S	Start	Stop
11	<input type="checkbox"/> COM101 + COM102	0%	0 S	Start	Stop
12	<input type="checkbox"/> COM103 + COM104	0%	0 S	Start	Stop
13	<input type="checkbox"/> COM105 + COM106	0%	0 S	Start	Stop
14	<input type="checkbox"/> COM103 + COM104	0%	0 S	Start	Stop
15	<input type="checkbox"/> COM101 + COM102	0%	0 S	Start	Stop
16	<input type="checkbox"/> COM93 + COM94	0%	0 S	Start	Stop

Type: Format and Download All
Baud rate: 921600

Format FAT Option: Manual Auto

Two-site download: First-site (UART) Second-site (USB)

DA download all: Full speed High speed

Battery No battery Auto detect

AutoPulling: EnableAutoPulling

自动扫口—步骤(5)

Scatter Files
Scatter File: D:\Official\android_scatter_emmc.txt

步骤6: "Scan Success"表示当前这路扫口成功, 请把USB设备(空机)拔出后插入到下一路USB线进行扫口。重复操作直到全部口扫完。

Item	COM	Status	Progress	Time	Start	Stop
1	<input checked="" type="checkbox"/> COM57 + COM24	Scan Success!	100%	0 S	Start	Stop
2	<input checked="" type="checkbox"/> N/A + N/A		0%	0 S	Start	Stop
3	<input checked="" type="checkbox"/> N/A + N/A		0%	0 S	Start	Stop
4	<input type="checkbox"/> COM86 + COM87		0%	0 S	Start	Stop
5	<input type="checkbox"/> COM89 + COM90		0%	0 S	Start	Stop
6	<input type="checkbox"/> COM91 + COM92		0%	0 S	Start	Stop
7	<input type="checkbox"/> COM93 + COM94		0%	0 S	Start	Stop
8	<input type="checkbox"/> COM95 + COM96		0%	0 S	Start	Stop
9	<input type="checkbox"/> COM97 + COM98		0%	0 S	Start	Stop
10	<input type="checkbox"/> COM99 + COM100		0%	0 S	Start	Stop
11	<input type="checkbox"/> COM101 + COM102		0%	0 S	Start	Stop
12	<input type="checkbox"/> COM103 + COM104		0%	0 S	Start	Stop
13	<input type="checkbox"/> COM105 + COM106		0%	0 S	Start	Stop
14	<input type="checkbox"/> COM103 + COM104		0%	0 S	Start	Stop
15	<input type="checkbox"/> COM101 + COM102		0%	0 S	Start	Stop
16	<input type="checkbox"/> COM93 + COM94		0%	0 S	Start	Stop

Type: Format and Download All
Baud rate: 921600

Format FAT Option: Manual Auto

Two-site download: First-site (UART) Second-site (USB)

DA download all: Full speed High speed

Battery: Battery No battery Auto detect

AutoPulling: EnableAutoPulling

Start all
Scan
Stop all

说明: 点击"Stop All"则退扫口。

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自动识别下载口



自动识别comport口下载(1)

Data source file: MTK_DATABASE.mdb

DA file name: E:\SP_Tool\MDT\w1308\SP_MDT_src_v3.1308.00\output\MTK_AllInOne_DA.bin

Authentication file: [Empty]

Certification File: [Empty]

Scatter Files: Scatter File: D:\Offi...11_eng_sub_bin_ate_fact\MT6575_Android_scatter_emmc.txt

步骤1：选择MDT对应的DA版本。

步骤2：选择Scatter file文件。

步骤3：勾选下载要使用到的com口索引勾选项。

COM Port	Status	Progress	Time	Start	Stop
1 <input checked="" type="checkbox"/> COM56 + COM 9	Scan Success!	100%	0 S	Start	Stop
2 <input checked="" type="checkbox"/> COM57 + COM24	Scan Success!	100%	0 S	Start	Stop
3 <input checked="" type="checkbox"/> COM53 + COM58	Scan Success!	100%	0 S	Start	Stop
4 <input type="checkbox"/> COM86 + COM87		0%	0 S	Start	Stop
5 <input type="checkbox"/> COM89 + COM90		0%	0 S	Start	Stop
6 <input type="checkbox"/> COM91 + COM92		0%	0 S	Start	Stop
7 <input type="checkbox"/> COM93 + COM94		0%	0 S	Start	Stop
8 <input type="checkbox"/> COM95 + COM96		0%	0 S	Start	Stop
9 <input type="checkbox"/> COM97 + COM98		0%	0 S	Start	Stop
10 <input type="checkbox"/> COM99 + COM100		0%	0 S	Start	Stop
11 <input type="checkbox"/> COM101 + COM102		0%	0 S	Start	Stop
12 <input type="checkbox"/> COM103 + COM104		0%	0 S	Start	Stop
13 <input type="checkbox"/> COM105 + COM106		0%	0 S	Start	Stop
14 <input type="checkbox"/> COM103 + COM104		0%	0 S	Start	Stop
15 <input type="checkbox"/> COM101 + COM102		0%	0 S	Start	Stop
16 <input type="checkbox"/> COM93 + COM94		0%	0 S	Start	Stop

Type: Format and Download All

Baud rate: 921600

Format FAT Option: Manual Auto

Two-site download: First-site (UART) Second-site (USB)

DA download all: Full speed High speed

说明：根据需求是否使用Autopulling功能进行勾选。

AutoPulling: EnableAutoPulling

Start all Stop all Scan

步骤4：点击“Start All”进行下载。

自动识别comport口下载(2)

Scatter Files
Scatter File: D:\Official\SP_Bln\athens15v2_ALPS.ICS.MP.V1.11_eng_sub_bin_ate_fact\MT6575_Android_scatter_emmc.txt

步骤5：插入USB设备，进入下载操作。

Item	COM	Status	Progress	Time	Start	Stop	Indicator
1	COM56 + COM 9	<input checked="" type="checkbox"/>	START 0%	66 S	Start	Stop	Green
2	COM57 + COM24	<input checked="" type="checkbox"/>	DL 74%	18 S	Start	Stop	Green
3	COM53 + COM58	<input checked="" type="checkbox"/>	START 0%	66 S	Start	Stop	Green
4	COM86 + COM87	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
5	COM89 + COM90	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
6	COM91 + COM92	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
7	COM93 + COM94	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
8	COM95 + COM96	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
9	COM97 + COM98	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
10	COM99 + COM100	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
11	COM101 + COM102	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
12	COM103 + COM104	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
13	COM105 + COM10E	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
14	COM103 + COM104	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
15	COM101 + COM102	<input type="checkbox"/>	0%	0 S	Start	Stop	Green
16	COM93 + COM94	<input type="checkbox"/>	0%	0 S	Start	Stop	Green

Type: Format and Download All
Baud rate: 921600

Format FAT Option
 Manual Auto

Two-site download
 First-site (UART)
 Second-site (USB)

DA download all
 Full speed High speed
 Battery No battery
 Auto detect

AutoPulling
 EnableAutoPulling

Start all Stop all Scan



FAQ



FAQ

- **问:除了自动扫口,是否可以在SPMultiPortFlashDownloadProject.ini对comport口进行配置?**

答:可以。

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Thanks

