

SMI(慧荣) SM3257ENAA量产工具 教程

版本要求：v2.03.46以上的版本

软件主界面介绍

The screenshot shows the SMI Mass Production Tool interface. At the top, the title bar reads "SMI Mass Production Tool V 2.03.56 v9 11/11/17 build __default.ini__". Below the title bar are menu options: "Config HUB", "Tools", and "Dialog Option".

The main area features a table with the following columns: "Item", "Progress", "Status", "Capacity", and "MP Ti.". The first row shows "Port 1" with a "Ready" status and "7722 MB" capacity. A green double-headed arrow points to the "Ready" status with the text "检测到的U盘" (Detected USB drive).

On the right side, there are several control buttons: "Start (Space Key)", "Quit", "Setting", "Scan USB (F5)", and "Debug". Red arrows point to these buttons with the following labels: "开始量产" (Start mass production) pointing to "Start", "退出软件" (Exit software) pointing to "Quit", "设置" (Settings) pointing to "Setting", and "刷新" (Refresh) pointing to "Scan USB".

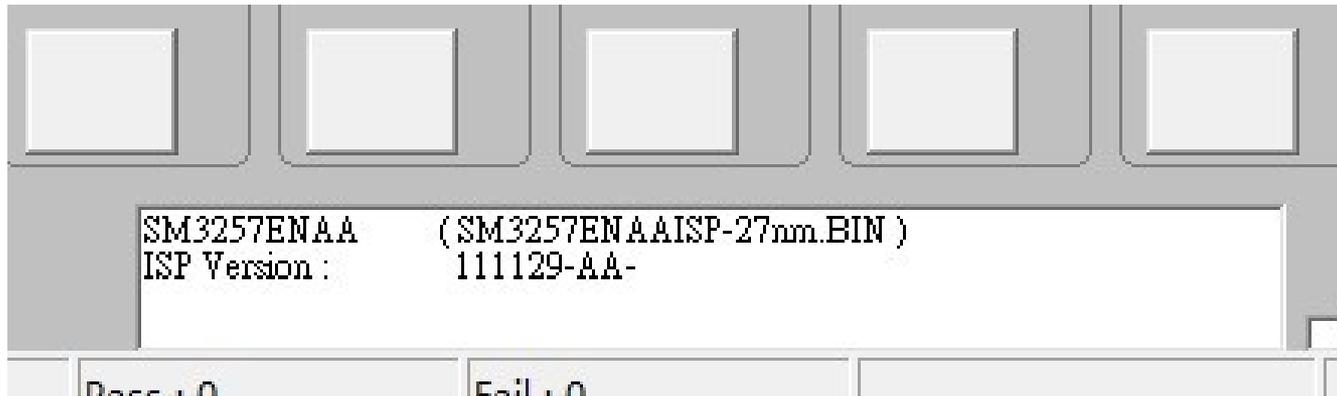
Below the table is a grid of 16 numbered slots (1-16). Slot 1 contains a blue progress bar and the text "8192 M (2)".

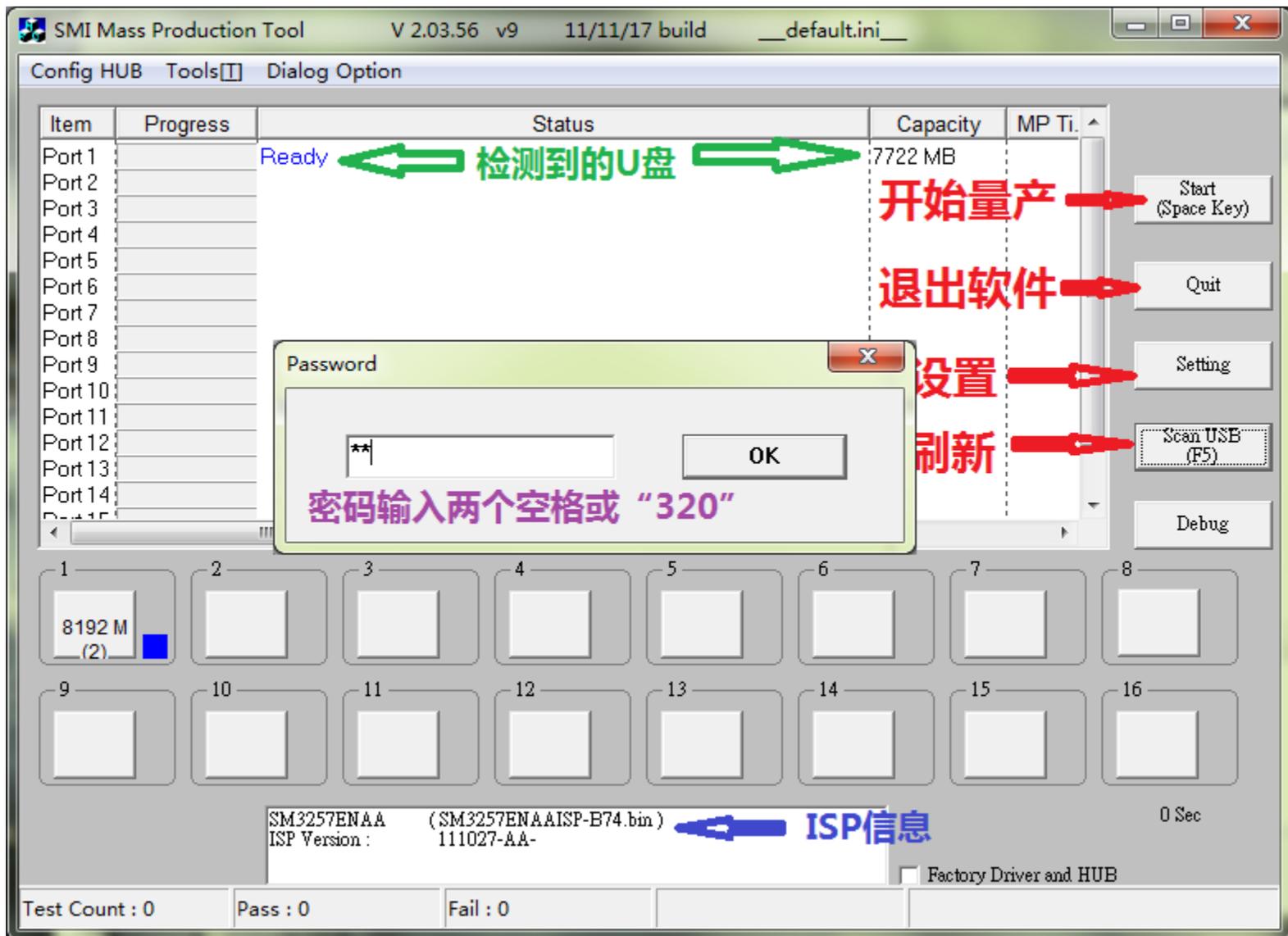
At the bottom, there is a status bar with the following information: "SM3257ENAA (SM3257ENAA.ISP-B74.bin)" and "ISP Version: 111027-AA-". A blue arrow points to this text with the label "ISP信息" (ISP information). To the right of this text is "0 Sec". There is also a checkbox labeled "Factory Driver and HUB".

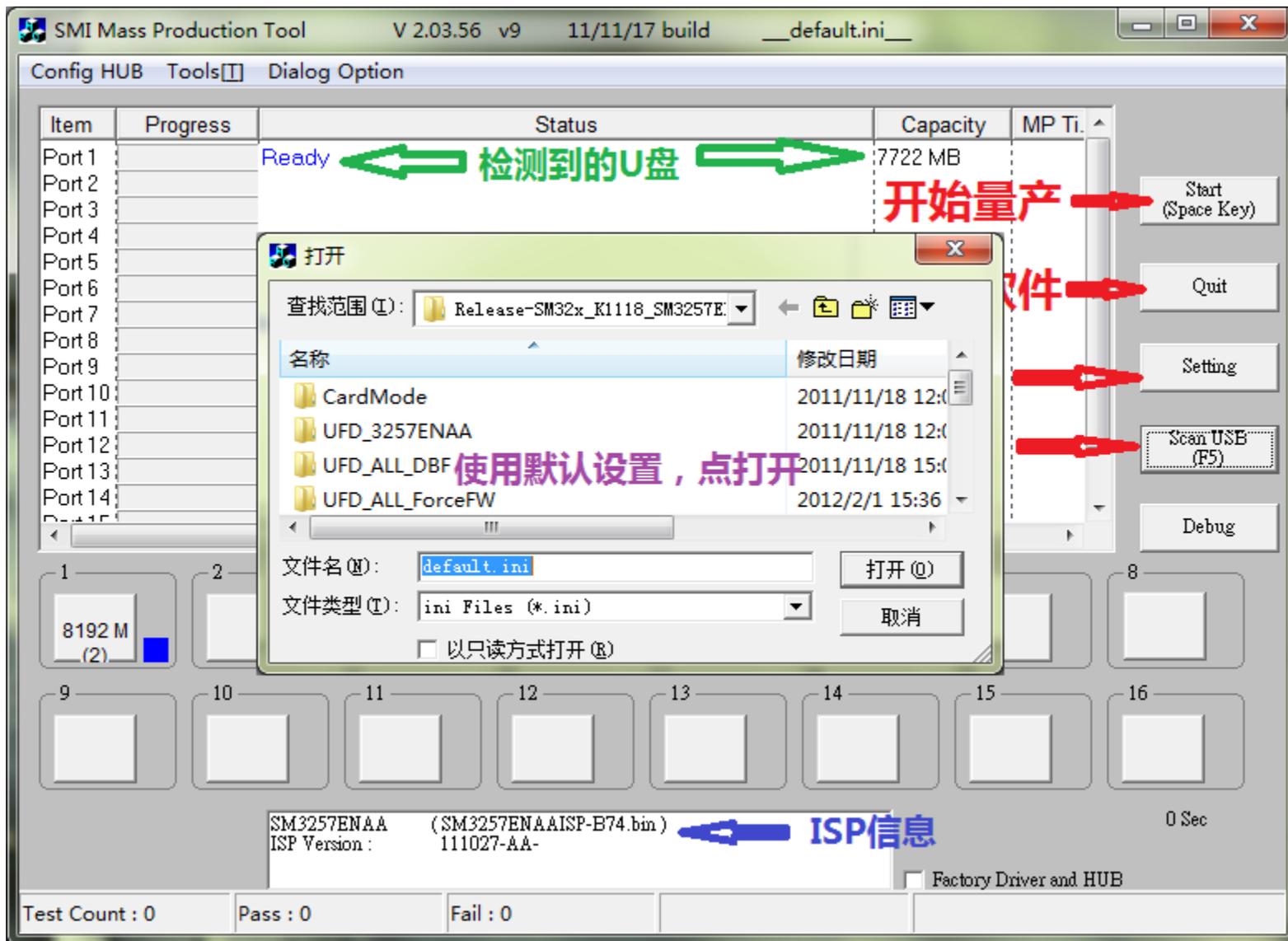
At the very bottom, there are three boxes: "Test Count : 0", "Pass : 0", and "Fail : 0".

注意事项:

1. Win7用户要以管理员权限运行，否则无法操作硬件；
2. ISP信息要低于下图所示；
3. 如果不能识别硬件，请多点几次刷新，或者重新启动软件，或者重新插入U盘，只要你的主控芯片是这个型号多折腾几次就好了。







Setting INI==> E:\CCK\Desktop\Release-SM32x_K1118_SM3257EN\DEFAULT.INI

Main Flow Setting | Capacity Setting | Downgrade Setting | Extra Setting | Multi-lun Setting | QC Setting

Mode Memory Bar Serial Number 16 Bytes SN Length 16 EST ITEI TimeOut 10000 Change PW

USB
VID 090C PID 1000 bcdDevice 1100
Vendor Str CCK Corporation 设备供应商 30
Product Str CCK USB DISK 设备名称 30
Begin Serial AA00000000001694 16
End Serial AA04012799999999 16
Serial Mask AA#####

Boot Blk Set
L Select
 Erase Info
 Pretest Erase Good Block Only
L Select PTest

生产厂商等信息可任意个性化设置

Inquiry
产品制造商 Vendor CCK 8 USB Power 500 mA
产品型号 Product USBDISK 16

Disk Type USB-ZIP
Disk Size NO Check
Total LBA 0
卷标 Disk Label CCK USBDISK
USB Mode USB2.0
LED Setting - U盘指示灯设置
Led Ready 3 Led Busy 48
DutyON 0 DutyOFF 0
 Device Ready, LED ON
 LED flash with access

Copy Test 0% 100% 2% Set
 Make Auto Run
L CDROM Only
 Format FAT32 FAT32 (Vista) NTFS exFAT
 Preload
FAT
L Auto Transfer FAT mode to Non FAT mode
Non FAT
 Disk Read Only Test Result LED Flash

Save As OK Cancel

Setting INI==> E:\CCK\Desktop\Release-SM32x_K1118_SM3257EN\DEFAULT.INI

Main Flow Setting | Capacity Setting | Downgrade Setting | Extra Setting | Multi-lun Setting | QC Setting

Mode Memory Bar Serial Number 16 Bytes SN Length 16 EST ITEI TimeOut 10000 Change PW

USB
VID 090C PID 1000 bcdDevice 1100
Vendor Str CCK Corporation 30
Product Str CCK USB DISK 30
Begin Serial AA00000000001696 16
End Serial AA04012799999999 16
Serial Mask AA##### 16 Hex Number
 Auto Date Mask
Mask Start Pos: 3 Hex Char: Mask End Pos: 10

Boot Blk Set
 Select
 Erase Info Pretest Opt
 Pretest Erase Good Block Only
 Select PTest
 Write CID DBF Method TSOP Standard Type Opt
 Download ISP
 Copy Test

启动选择ZIP模式

勾选Auto Run, 选择光盘路径

Disk Type USB-ZIP

Make Auto Run D:\boot.iso
 CDROM Only

LED Setting
Led Ready 3 Led Busy 48
DutyON 0 DutyOFF 0
 Device Ready, LED ON
 LED flash with access
Disk Size NO Check
Total LBA 0
Disk Label CCK USBDISK
USB Mode USB2.0

Format FAT32 FAT32 (Vista) NTFS exFAT
 Preload
 FAT
 Auto Transfer FAT mode to Non FAT mode
 Non FAT
 Disk Read Only Test Result LED Flash

Save As OK Cancel

Setting INI==> E:\CCK\Desktop\Release-SM32x_K1118_SM3257EN\DEFAULT.INI

Main Flow Setting | Capacity Setting | Downgrade Setting | Extra Setting | **Multi-lun Setting** | C/C Setting

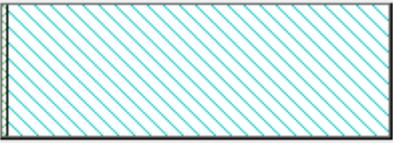
uDisk Partitions

ReserveZone X 512K 

Static CDROM Size

CDROM Size X 512K 

Hidden X 512



Security Disk Support

Disk Label

Public:

Security:

Application:

Password:

Hint:

Mode-A (Public / Security)

Public Size: (MB) Read Only

Mode-C (Public + Public / Security) Public Only

Public Size: (MB) Read Only

Public-AP Size: (MB) Read Only

软盘设置

Security Preload FAT

IMG

Floppy Read Only

Enable Floppy Support Floppy Format Floppy Only

Floppy Preload

Enable Preload File into Hidden

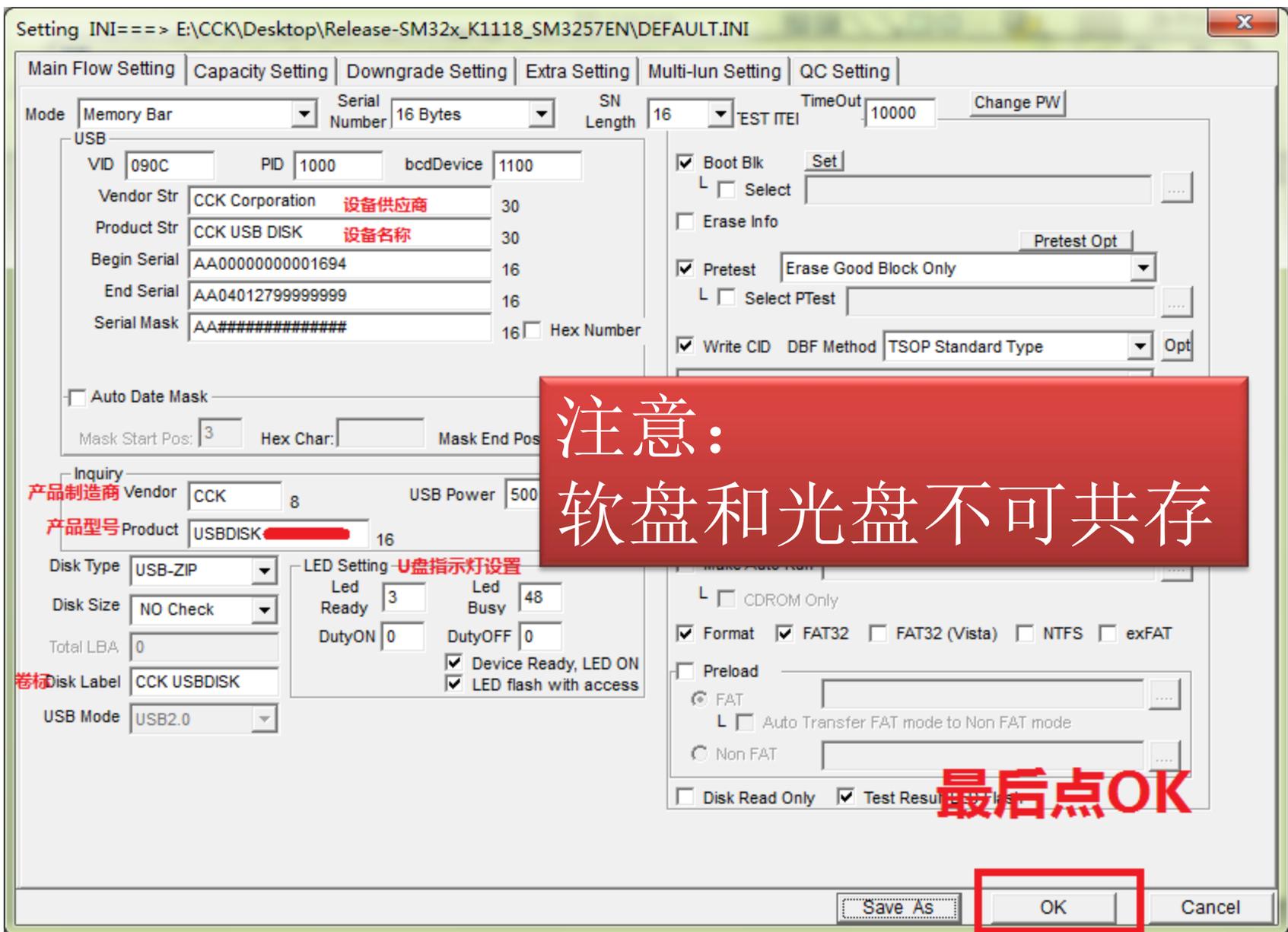
File:

Enable The First INI After Start

File Path:

Extension Serial Number File

Save As | OK | Cancel



注意：
软盘和光盘不可共存

最后点OK



Config HUB Tools [T] Dialog Option

Item	Progress	Status	Capacity	MP Ti.
Port 1	<div style="width: 20%; background-color: blue;"></div>	CopyCompare [Write (29 %)]	7722 M	
Port 2				
Port 3				
Port 4				
Port 5				
Port 6				
Port 7				
Port 8				
Port 9				
Port 10				
Port 11				
Port 12				
Port 13				
Port 14				
Port 15				

Start (Space Key)

Quit

Setting

Scan USB (F5)

Debug

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

SM3257ENAA (SM3257ENAAISP-B74.bin)
ISP Version : 111027-AA-

32 Sec

Factory Driver and HUB

Test Count : 0 Pass : 0 Fail : 0

Config HUB Tools [T] Dialog Option

Item	Progress	Status	Capacity	MP Ti.
Port 1		Pass	7722 M	87 sec
Port 2				
Port 3				
Port 4				
Port 5				
Port 6				
Port 7				
Port 8				
Port 9				
Port 10				
Port 11				
Port 12				
Port 13				
Port 14				
Port 15				



Start (Space Key)

Quit

Setting

Scan USB (F5)

Debug

1 2 3 4 5 6 7 8

8192 M (2)  

9 10 11 12 13 14 15 16

E:\CCK\Personal Files\MyProduct\ADATA_C802\Release-SM32x_K1118_SM3
E:\CCK\Personal Files\MyProduct\ADATA_C802\Release-SM32x_K1118_SM3

88 Sec

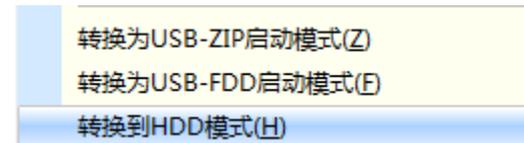
Factory Driver and HUB

Test Count : 1 Pass : 1 Fail : 0 AA0000000001678

软盘写入DOS测试



如果量产软盘+U盘，则此时U盘为FDD启动模式，如果想从软盘启动的话，则需要更改U盘的启动模式为其他模式，否则软盘无法启动。



此时的U盘部分仍然可以使用分区工具重新分区

SMI Mass Production Tool V 2.03.56 v9 11/11/17 build __DEFAULT.INI__

Config HUB Tools Dialog Option

Item	Progress	Status	Capacity	MP Ti.
Port 1		Initial Param Fail (0F) (FlashID not found in Database)	7722 MB	
Port 2				
Port 3				
Port 4				
Port 5				
Port 6				
Port 7				
Port 8		Initial Param Fail (0F) (FlashID not found in Database)	7722 MB	
Port 9				
Port 10				
Port 11				
Port 12				
Port 13				
Port 14				
Port 15				

FAIL

Start (Space Key)

Quit

Setting

Scan USB (F5)

Debug

1 2 3 4 5 6 7 8

0 M [X] [] [] [] [] [] [] 0 M [X] []

如果想重新量产，则需先使用默认设置量产一次。
第一次量产会失败（如图），拔掉重插一下，第二次量产就正常了。
然后可以重新量产。

Test Count : 2 Pass : 0 Fail : 2 AA00000000001696

系统上连接的USB控制器及USB设备列表 (选定设备查看详细信息):

- Intel(R) 5 Series/3400 Series Chipset Family USB Enhanced Host Controller - 3B34
 - Generic USB Hub
 - DH: USB 大容量存储设备 (CCK USBDISK [REDACTED])**
 - USB Composite Device (6个端口可用) (2个端口可用)
- Intel(R) 5 Series/3400 Series Chipset Family USB Enhanced Host Controller - 3B3C
 - Generic USB Hub
 - Broadcom 2046 Bluetooth 2.1+EDR USB Device (Broadcom Corp Acer Module) (5个端口可用) (2个端口可用)

所选设备的详细信息:

设备描述: DH: USB 大容量存储设备 (CCK USBDISK [REDACTED])
设备类型: 大容量存储设备

协议版本: USB 2.00
当前速度: 高速 (HighSpeed)
电力消耗: 500mA

USB设备ID: VID = 090C PID = 1000
设备序列号: AA00000000001693

设备供应商: **CCK Corporation**
设备名称: **CCK USB DISK**
设备修订版: 1100

产品制造商: **CCK**
产品型号: **USBDISK [REDACTED]**
产品修订版: 1100

芯片厂商: SMI (慧荣)
芯片型号: SM3257ENAA - ISP 111027-AA-
闪存识别码: [REDACTED] - Intel (英特尔) - 1CE/单通道 [TLC-8K]

在线资料: <http://dl.mydigit.net/special/up/smi.html>

量产之后厂商信息

可移动磁盘 (H:) 属性

常规 工具 硬件 共享 ReadyBoost 自定义

所有磁盘驱动器 (D):

名称	类型
CCK USBDISK [REDACTED] USB Device	磁盘驱动器
CCK USBDISK [REDACTED] USB Device	软盘驱动器
[REDACTED]	磁盘驱动器
[REDACTED]	DVD/CD-...

设备属性

制造商: (标准磁盘驱动器)
位置: 在 USB 大容量存储设备 上
设备状态: 这个设备运转正常。

属性 (R)

确定 取消 应用 (A)

 打开设备和打印机 (O)

 弹出 CCK USB DISK

- 弹出 可移动磁盘 (H:)