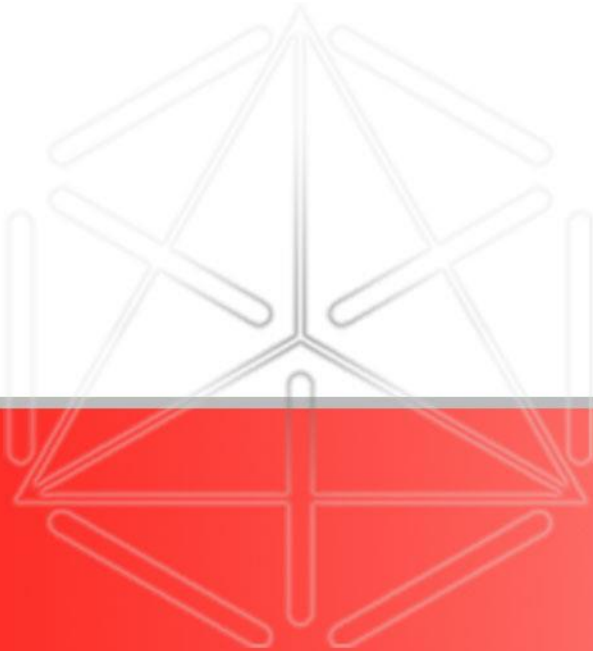


# Diskman v4-02 User Manual

**KWOK Ka Shing PT**  
**05/19/2020**



[WWW.ASMPACIFIC.COM](http://WWW.ASMPACIFIC.COM)

# ASM

## ❑ Download Diskman

- From SWRLib: <http://www.asmpt.com/>
  - ❑ Software Part No: 10-300954
  - ❑ Download the updated version
- Unzip it under root directory (e.g. C:\)

## ❑ OS

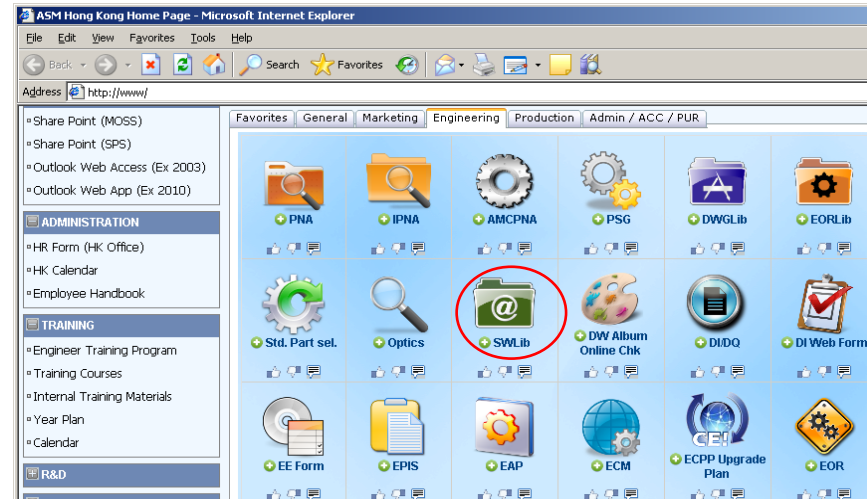
- [WinPE](#)
- [Windows10 64bit](#)

## ❑ Key Verification

- Get key from:  
<https://ias-sg.asmpt.com/SecurityKeyGen/>
- For Detail refer to [here](#):

## ❑ Run Diskman in “Administrator mode”

- Run diskman without argument, it will provide normal functions
- Run diskman with argument “\e”, enhance functions will be enable in “Other Functions”



- ❑ Quick view
- ❑ Overview
  - Environment
  - Key Verification
  - Menu Hierarchy
- ❑ Diskman Step By Step
- ❑ Format of config.xml for custom backup
- ❑ BIOS Setting When Booting From USB Thumb
- ❑ Procedure to change default config file



- ❑ To restore OS image (“10-M” in wim format) to harddisk:

## Restore Harddisk

*\*(OS images were made to have minimum WES partition to suit all the products(partition1:100000MB; partition2:10000MB). Product teams should determine and fix the partition sizes to fit their need before OS image restoration)*

- ❑ To backup a harddisk to an wim image:

## Backup Harddisk

- ❑ To restore partition from an wim image:

## Restore Partition

*\*( partition can be select if the image contain more than one partitions.)*

- ❑ To backup a partition to an wim image:

## Backup Partition

## □ Environment

- Install Diskman
  - How to make WinPE bootable USB thumb
  - How to Install WinPE to Windows HDD for Dual Boot
- How to run DiskMan under WinPE
- How to run DiskMan under Windows10 64bit

## □ Key Verification

## □ Menu Hierarchy

- Main Menu
- Edit Partition
- Other Function
- Custom Function



## ❑ How to make WinPE bootable USB thumb

- Start a command prompt
- Go to the DiskMan directory
- Type in diskman.exe /e and [Enter] to start
- [Follow the steps to make bootable USB thumb](#)

## ❑ How to Install WinPE to Windows HDD for Dual Boot

- Start a command prompt, go to DiskMan directory and type in diskman.exe /e then [Enter]
- [Follow the steps to make Dual Boot](#)
- *\*Most Release wim Image("10-M") already include Dual Boot drive (D:\)*

ASM

## ❑ How to run DiskMan under WinPE

### ■ Boot WinPE

#### ❑ From bootable USB thumb

- Insert bootable USB thumb
- Select boot from USB/USB HDD in BIOS
- AT Boot Menu, select “Boot up using WinPE” (Press down arrow **in 10 seconds**)
- *\*If bootable USB thumb is inserted to pc, Windows10 64bit cannot be boot in a normal way*

#### ❑ OR From D:\ drive

- Support if Harddisk has installed Dual boot
- AT Boot Menu, select “Boot up using WinPE” (Press down arrow **in 3 seconds**)

### ■ Run Diskman

- ❑ Click on DiskMan from Start menu  
or

Start a command prompt, go to DiskMan directory (under USB thumb or D:\)

- ❑ type in “diskman.exe /e” then [Enter]



# Environment - Run Diskman under Windows10 64bit

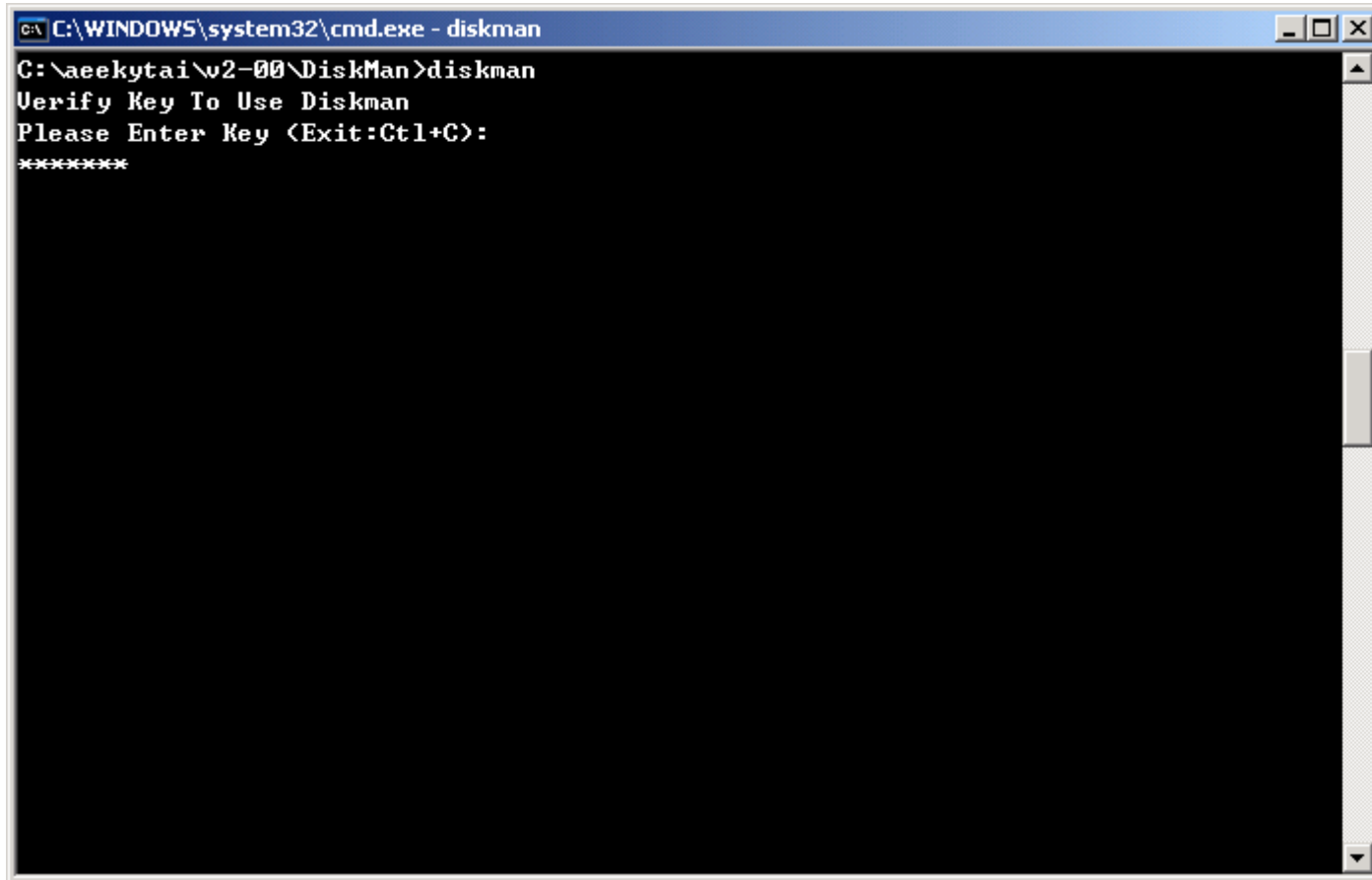
## ❑ How to run DiskMan under Windows10 64bit

- Boot up Windows10 64bit
- unzip downloaded DiskMan under root directory
  - ❑ Suggestion: Unzip under system partition( usually C:\)
- Start a command prompt, go to DiskMan directory and type in “diskman.exe /e” then [Enter]





# Overview (Key Verification)



```
C:\WINDOWS\system32\cmd.exe - diskman
C:\aeekytai\w2-00\DiskMan>diskman
Verify Key To Use Diskman
Please Enter Key (Exit:Ctrl+C):
*****
```

Type in key obtained from web:

<https://service-sg.asmpt.com/securitykeygen/Default.aspx>

and press ENTER to verify

# Overview (Key Verification)



## ASM Pacific Technology ASMPT Security Key Generation

Friday, August 22, 2014

*Welcome!* Lau Man Kit, Joe

Please select Product Module and Customer:

Country:

ASMPT

Customer:

softwareRND

Product:

Diskman

Key:

IDSR4H5F

Generate Key

Key generated successfully.

# Overview (Menu Hierarchy)

- [1] [Restore Partition](#)
- [2] [Restore Harddisk](#)
- [3] [Quick Restore Harddisk](#)
- [4] [Quick Backup Harddisk](#)
- [5] [Edit Partition...](#)
- [6] [Other Function...](#)
  - [1] [Backup Partition](#)
  - [2] [Backup Harddisk](#)
  - [3] [Restore MBR](#)
  - [4] [Clean Harddisk\(Delete All Partitions From A Harddisk\)](#)
  - [5] [Make Bootable USB Thumb](#)
  - ...
- [7] [Custom Function...](#)
  - [1] [Change Config File](#)
  - ... (Custom Function configured by Config File)
- [8] [Mass Production](#)
- [9] [Shutdown Computer](#)

**Available when type “diskman.exe /e”  
to start diskman**

```
DiskMan V4-01 Compiled on Mar  5 2020  
Copyright (C) 2019 ASM Assembly Automation Ltd. All rights reserved.
```

```
-----  
Verify Key To Use Diskman  
Please Enter Key (Exit:Ctrl+C):
```

```
*****
```

```
ver > currentos.txt  
Disk 0 is System Disk.
```

```
-----  
| Diskman Main Menu |  
-----
```

```
-----  
[1] Restore Partition  
[2] Restore Harddisk  
[3] Quick Restore Harddisk  
[4] Quick Backup Harddisk  
[5] Edit Partition...  
[6] Other Function...  
[7] Custom Function...  
[8] Mass Production  
[9] Shutdown Computer  
-----
```

**Sub Menu**

```
Enter 0 to return to previous menu.  
DiskMan (Select 0 - 9): _
```

```
-----  
! Edit Partition !  
-----
```

```
-----  
[1] Create Partition  
[2] Format Partition  
[3] Check Partition  
[4] Delete Partition  
-----
```

```
Enter 0 to return to previous menu.  
DiskMan <Select 0 - 4>:
```

ASM

```
-----  
| Other Function |  
-----
```

```
-----  
[1] Backup Partition  
[2] Backup Harddisk  
[3] Restore MBR  
[4] Clean Harddisk(Delete All Partitions From A Harddisk)  
[5] Make Bootable USB Thumb  
[6] Install WinPE to Windows HDD for Dual Boot  
[7] Update WinPE  
[8] BCDBoot  
-----
```

```
Enter 0 to return to previous menu.  
DiskMan (Select 0 - 8):
```

ASM

Configured  
by xml file

```
-----  
! Custom Function !  
-----  
[1] Change Config File  
[2] Conf Restore  
[3] Create WireBond HDD layout  
[4] EagleXtreme Backup  
[5] Machine_A restore with data backup  
[6] Machine_B Version Control  
-----
```

```
Enter 0 to return to previous menu.  
DiskMan <Select 0 - 6>: _
```

ASM

- ❑ [1] [Restore Partition](#)
  - ❑ [2] [Restore Harddisk](#)
  - ❑ [3] [Quick Restore Harddisk](#)
  - ❑ [4] [Quick Backup Harddisk](#)
  - ❑ [5] [Edit Partition...](#)
  - ❑ [6] [Other Function...](#)
    - [1] [Backup Partition](#)
    - [2] [Backup Harddisk](#)
    - [3] [Restore MBR](#)
    - [4] [Clean Harddisk\(Delete All Partitions From A Harddisk\)](#)
    - [5] [Make Bootable USB Thumb](#)
    - ...
  - ❑ [7] [Custom Function...](#)
    - [1] [Change Config File](#)
    - ... (Custom Function configured by Config File)
  - ❑ [8] **Mass Production**
  - ❑ [9] **Shutdown Computer**
- Available when type "diskman.exe /e" to start diskman*



```
-----  
! Diskman Main Menu !  
-----  
  
[1] Restore Partition  
[2] Restore Harddisk  
[3] Quick Restore Harddisk  
[4] Quick Backup Harddisk  
[5] Edit Partition...  
[6] Other Function...  
[7] Custom Function...  
-----  
Enter 0 to return to previous menu.  
DiskMan <Select 0 - 7>: 1
```

**Select Restore Partition**

Remind: Please select the original image to do “Restore Partition”



# Restore Partition

\*Restricted for image named as **\*.part.wim** to avoid potential error

```
-----
DL Disk  FS   TYPE   SIZE   SN
[1] C: <hd0,1> NTFS  FIXED   76314  MB [   PUF804Z31PD12N]
[2] D: <hd1,1> FAT32  REMOVABLE 2041  MB []

Please select a partition to choose image from.
Enter 0 to return to previous menu.
DiskMan <Select 0 - 2>: 1

-----
[1]: C:\data1.part.wim

Please select an image.
Enter 0 to return to previous menu.
DiskMan <Select 0 - 1>: 1

-----
DL Disk  FS   TYPE   SIZE   SN
[1] C: <hd0,1> NTFS  FIXED   76314  MB [   PUF804Z31PD12N]
[2] D: <hd1,1> FAT32  REMOVABLE 2041  MB []

Please select a partition to be restored.
Enter 0 to return to previous menu.
DiskMan <Select 0 - 2>: 2

You are going to
RESTORE partition from C:\data1.part.wim
D: <hd1,1> FAT32 2041MB []
Press Y to confirm. y
```

Select partition that store \*.wim

Available \*.wim

Select \*.wim

Select partition to do restore

Confirm

Remind: Please read Q&A.doc: Q2, if have problem in boot up the OS after restore.



## Resize Harddisk layout



```
-----  
[1] Restore Partition  
[2] Restore Harddisk  
[3] Quick Restore Harddisk  
[4] Quick Backup Harddisk  
[5] Edit Partition...  
[6] Other Function...  
[7] Custom Function...  
-----
```

Enter 0 to return to previous menu.

DiskMan <Select 0 - 7>: **2**

Select Restore Harddisk

```
-----  
! Restore Harddisk -- Step 1 !  
-----
```

```
-----  
DL Disk  FS  TYPE      SIZE      VolName  SN  
[1] C: <hd0,1> NTFS  FIXED      220000 MB  NIL      [101019PBN238DSD378BM]  
[2] D: <hd0,2> NTFS  FIXED      10000 MB  New_Volu [101019PBN238DSD378BM]  
-----
```

Please select the partition to choose image(\*.hdd.wim) from.

Enter 0 to return to previous menu.

DiskMan <Select 0 - 2>: **1**

Select partition that store \*.wim

# Restore Harddisk Demo : Resize Harddisk layout

Restricted for image named  
as \*.hdd.wim to avoid  
potential error

```
-----  
! Restore Harddisk -- Step 2 !  
-----
```

```
[1]: E:\win-20140603-0949.hdd.wim  
[2]: E:\wes7_h67a-20140812-1205.hdd.wim  
[3]: E:\wesXP-20140815-1707.hdd.wim  
-----
```

```
Please select an image.  
Enter 0 to return to previous menu.
```

```
DiskMan <Select 0 - 3>: 2
```

Select wim

```
-----  
! Restore Harddisk -- Step 3 !  
-----
```

```
[1] <hd1> [100513PBN2003SD5B0DT1] 238475 MB FIXED 7 <68472~68474 MB Unallocated>  
Partition 1:      C: NTFS    150000 MB NIL  
Partition 2:      D: NTFS    20000  MB New_Volume  
-----
```

```
Please select the harddisk to be restored.  
Enter 0 to return to previous menu.
```

```
DiskMan <Select 0 - 1>: 1
```

Select Harddisk to restore

```
-----
| Restore Harddisk -- Step 4 |
-----

mkdir J:\tmp
rmdir J:\tmp /s /q

-----
Select New Harddisk Layout:

The partition sizes below are estimation, they may have slightly different with the actual sizes.

[1] Use original harddisk layout
    Partition 1:  97  GB
    Partition 2:   9  GB
[2] Use proportional harddisk layout
    Partition 1:  97  GB
    Partition 2:   9  GB
[3] Use original harddisk layout while last partition using left over space
    Partition 1:  97  GB
    Partition 2:  14  GB
[4] Use customize harddisk layout
-----
Please select the way to create harddisk layout.
Enter 0 to return to previous menu.
DiskMan (Select 0 - 4): 4
mkdir J:\tmp
dism.exe /Apply-Image /ImageFile:I:\10-M00297V1-00-00-COMPLETED-2019021-0847.hdd.wim /ApplyDir:J:\tmp /Name:"PT.sav" /Verify

Deployment Image Servicing and Management tool
Version: 10.0.14393.0

Applying image
[=====100.0%=====]
The operation completed successfully.
```

**Select the harddisk layouts**

Remind: There have four harddisk layouts to choose,  
this demo is showing one the selection.

# Restore Harddisk Demo : Resize Harddisk layout

-----  
The Rest of New Harddisk size: 238475MB

Original Size of Partition[1]: 250000MB.

Please Input New Size for partition[1] <in MB<0 to exit>>: 150000

-----  
The Rest of New Harddisk size: 88475MB

Original Size of Partition[2]: 100000MB.

Please Input New Size for partition[2] <in MB<0 to exit>>: 20000

Input partition size!!!

-----  
Restore Harddisk -- Step 5

You have chosen:

Partition 1: 97 GB

Partition 2: 9 GB

Warning: All data will be lost in the harddisk

You are going to

RESTORE harddisk from I:\10-M00297V1-00-00-20190128-0855.hdd.wim

(hd0) [CVCV22500401120BGN] 114473MB

using original harddisk layout

**Confirm**

Input Y to confirm. y



## □ Aim

- Less steps/input to process backup/restore Harddisk

## □ Requirement:

- Can only process under WinPE
- Need USB thumb with enough space (Min: 16GB)
  - Backed up Harddisk image will store at USB thumb as “quick.hdd.wim”
  - Restore Harddisk will search USB thumb with image name “quick.hdd.wim”
- The quick Functions only support ONE Harddisk on the pc, otherwise it will stop and it is suggest to use normal backup and restore more than one Harddisk on the pc.

ASM



-----  
Diskman Main Menu

-----  
[1] Restore Partition  
[2] Restore Harddisk  
[3] Quick Restore Harddisk  
[4] Quick Backup Harddisk  
[5] Edit Partition...  
[6] Other Function...  
[7] Custom Function...  
-----

Enter 0 to return to previous menu.

DiskMan (Select 0 - 7): **4**

**:Select Quick Backup Harddisk:**

-----  
Quick Backup Harddisk

-----  
Quick Backup Harddisk will backup the harddisk and name it as  
"quick.hdd.wim", then store the quick.hdd.wim at USB thumb.  
Current "quick.hdd.wim" will be remove.  
Do you want to START Quick Backup Harddisk NOW?  
-----

**Quick Backup Harddisk message**

You are goint to  
Quick Backup Harddisk  
Input Y to Confirm.

**:Input Y to start backup:**

# Quick Backup Harddisk

```
-----  
| --- Start Quick Backup Harddisk --- |  
-----
```

Available USB Thumb:

```
-----  
DL Disk    FS      TYPE      SIZE      VolName    SN  
[1] E: (hd1,1) FAT32  REMOVABLE  29569     MB FLASH_DR []
```

Display excess USB thumb

Harddisk to be BACKUP:

```
(hd0) [101019PBN238DSD378BM] 238475MB
```

Image Name: quick.hdd.wim

The Image will store at USB Thumb: "E:\"

Choose first USB thumb  
and store wim at there

```
=====Diskman: Backup Harddisk... Start
```

Start Time and Date: Thu Apr 02 16:42:16 2015

Start of Backup Harddisk

...

...

...

Finish Time and Date: Thu Apr 02 17:10:57 2015

End of Backup Harddisk

```
====Diskman: Backup Harddisk... Done Successfully  
=====
```

-----  
Diskman Main Menu

-----  
[1] Restore Partition  
[2] Restore Harddisk  
[3] Quick Restore Harddisk  
[4] Quick Backup Harddisk  
[5] Edit Partition...  
[6] Other Function...  
[7] Custom Function...  
-----

Enter 0 to return to previous menu.

DiskMan (Select 0 - 7): 3

**:Select Quick Backup Harddisk:**

-----  
Quick Restore Harddisk

Remind:

1. Make sure USB thumb use in restore contain "quick.hdd.wim" image.
2. Harddisk 1 (First harddisk recognize by Explorer) will do restore.

**Quick Restore Harddisk message**

-----  
You are goint to

Quick Restore Harddisk

Input Y to Confirm.

**:Input Y to start :**

-----  
Quick Restore Harddisk Harddisk -- Step 1

Available USB Thumb:

-----  
DL Disk FS TYPE SIZE VolName SN  
[1] E: (hd1,1) FAT32 REMOVABLE 29569 MB FLASH\_DR []  
-----

USB Thumb select: "E:\"

Available IMAGE file(s):

-----  
[1]: E:\quick.hdd.wim  
-----

Select E:\quick.hdd.wim

-----  
Quick Restore Harddisk Harddisk -- Step 2

Harddisk layout info of the image: E:\quick.hdd.wim

-----  
Harddisk total size = 238475MB  
-----

ASM

```
...
...
-----
| Quick Restore Harddisk Harddisk -- Step 3 |
-----
Warning: All data in the harddisk will be lost
```

← Harddisk to be restore

```
You are going to
  RESTORE harddisk from E:\quick.hdd.wim
    (hd0) [101019PBN238DSD378BM] 238475MB
  using original harddisk layout
```

```
=====
===Diskman: Restore Harddisk Start
```

```
Start Time and Date: Thu Apr 02 17:17:40 2015
```

← Start of Restore Harddisk

```
Clean selected hard disk:
```

```
...
...
...
Bootcode was successfully updated on all targeted volumes.
```

```
Finish Time and Date: Thu Apr 02 17:23:02 2015
```

```
===Diskman: Restore Harddisk Done Successfully
=====
```

← End of Restore Harddisk

## Edit Partition



-----  
Diskman Main Menu

- 
- [1] Restore Partition
  - [2] Restore Harddisk
  - [3] Quick Restore Harddisk
  - [4] Quick Backup Harddisk
  - [5] Edit Partition...
  - [6] Other Function...
  - [7] Custom Function...
- 

Enter 0 to return to previous menu.

DiskMan (Select 0 - 7): 5

**:Select Edit Partition:**

-----  
Edit Partition

- 
- [1] Create Partition
  - [2] Format Partition
  - [3] Check Partition
  - [4] Delete Partition
- 

Enter 0 to return to previous menu.

DiskMan (Select 0 - 4):1

**:Select Create Partition:**

ASM

```
-----  
[1] <hd0> [PUF804Z31PD12N] 76319 MB <2~4 MB Unallocated>  
Partition 1:      C: NTFS   76319 MB  
[2] <hd1> [NA] 2041 MB <0~1 MB Unallocated>  
Partition 1:      D: FAT32  2041 MB  
-----  
Please select the disk to create partition.  
Enter 0 to return to previous menu.  
DiskMan <Select 0 - 2>: 1  
Please Input Partition Size <2~4MB>: 2  
-----  
[1] NTFS  
[2] FAT32  
[3] FAT  
-----  
Please select file system.  
Enter 0 to return to previous menu.  
DiskMan <Select 0 - 3>: 1  
-----  
You are going to  
Create partition on following hardisk  
  <hd0> [PUF804Z31PD12N] 76319MB  
Press Y to confirm. n  
-----
```

Max partition size

Consult Max partition size

Select File system

Confirm?



-----  
Edit Partition

-----  
[1] Create Partition  
[2] Format Partition  
[3] Check Partition  
[4] Delete Partition  
-----

Enter 0 to return to previous menu.

DiskMan (Select 0 - 4):2

**:Select Format Partition:**

ASM

```
-----  
DL Disk   FS      TYPE      SIZE      SN  
[1] C: <hd0,1> NTFS   FIXED      76314    MB [      PUF804Z31PD12N]  
[2] D: <hd1,1> FAT32  REMOUABLE  2041     MB [ ]  
-----
```

Please select one partition to format.

Enter 0 to return to previous menu.

DiskMan <Select 0 - 2>:  **Select Partition**

```
-----  
[1] NTFS  
[2] FAT32  
[3] FAT  
-----
```

Please select file system.

Enter 0 to return to previous menu.

DiskMan <Select 0 - 3>:  **Select file system**

You are going to

FORMAT this partition into FAT32

D: <hd1,1> FAT32 2041MB [ ]

-----  
Edit Partition

-----  
[1] Create Partition  
[2] Format Partition  
[3] Check Partition  
[4] Delete Partition  
-----

Enter 0 to return to previous menu.

DiskMan (Select 0 - 4):**3**

**:Select Check Partition:**

ASM

```
-----  
DL Disk   FS      TYPE      SIZE      SN  
[1] C: <hd0,1> NTFS   FIXED      76314    MB [   PUF804Z31PD12N1  
[2] D: <hd1,1> FAT32  REMOVABLE  2041     MB [ ]  
-----
```

Please select one partition to check.

Enter 0 to return to previous menu.

DiskMan <Select 0 - 2>: **1** Select Partition

You are going to

CHECK this partition

C: <hd0,1> NTFS 76314MB [ PUF804Z31PD12N1

Press Y to confirm. **y** Confirm

ASM

# Delete partition

-----  
Edit Partition

-----  
[1] Create Partition  
[2] Format Partition  
[3] Check Partition  
[4] Delete Partition  
-----

Enter 0 to return to previous menu.

DiskMan (Select 0 - 4):**4**

**:Select Delete Partition:**

ASM

# Delete partition

```
-----  
DL Disk  FS   TYPE   SIZE   SN  
[1] C: (hd0,1) NTFS   FIXED   76314  MB [   PUF804Z31PD12N1  
[2] D: (hd1,1) FAT32  REMOVABLE 2041   MB []  
-----
```

Please select one partition to be deleted.

Enter 0 to return to previous menu.

DiskMan (Select 0 - 2):  [Select Partition](#)

You are going to

Delete this partition

C: (hd0,1) NTFS 76314MB [ PUF804Z31PD12N1

Press Y to confirm.  [Confirm](#)

ASM

# Other Function



| Diskman Main Menu |

- [1] Restore Partition
- [2] Restore Harddisk
- [3] Quick Restore Harddisk
- [4] Quick Backup Harddisk
- [5] Edit Partition...
- [6] Other Function...
- [7] Custom Function...

Enter 0 to return to previous menu.

DiskMan (Select 0 - 7): 6

**:Select Other Function:**

| Other Function |

- [1] Backup Partition
- [2] Backup Harddisk
- [3] Restore MBR
- [4] Clean Harddisk(Delete All Partitions From A Harddisk)
- [5] Make Bootable USB Thumb
- [6] Install WinPE to Windows HDD for Dual Boot
- [7] Update WinPE
- [8] BCDBoot

Enter 0 to return to previous menu.

DiskMan (Select 0 - 8): 1

**:Select Backup Partition:**



# Backup Partition

```
-----  
DL Disk  FS   TYPE   SIZE   SN  
[1] C: <hd0,1> NTFS   FIXED   76314 MB [   PUF804Z31PD12N]  
[2] D: <hd1,1> FAT32  REMOVABLE 2041  MB [     
-----  
Please select the partiton to be backuped.  
Enter 0 to return to previous menu.  
DiskMan <Select 0 - 2>: 2
```

Select partition to backup

```
-----  
DL Disk  FS   TYPE   SIZE   SN  
[1] C: <hd0,1> NTFS   FIXED   76314 MB [   PUF804Z31PD12N]  
[2] D: <hd1,1> FAT32  REMOVABLE 2041  MB [     
-----  
Please select the partition to store the .wim image.  
Enter 0 to return to previous menu.  
DiskMan <Select 0 - 2>: 1
```

Select partition that store \*.wim

\*.part.wim that already exist in the partition

```
[1]: C:\data1.part.wim  
-----  
Please key in image file name, press [ENTER] to use default name "win-yyyymmdd-hhmm.  
part.wim"
```

Input prefix

```
name
```



-----  
Other Function

-----  
[1] Backup Partition  
[2] Backup Harddisk  
[3] Restore MBR  
[4] Clean Harddisk(Delete All Partitions From A Harddisk)  
[5] Make Bootable USB Thumb  
[6] Install WinPE to Windows HDD for Dual Boot  
[7] Update WinPE  
[8] BCDBoot  
-----

Enter 0 to return to previous menu.

DiskMan (Select 0 - 8): 2

**:Select Backup Harddisk:**

ASM

```
-----  
[1] <hd0> [PUF804Z31PD12N] 76319 MB <2~4 MB Unallocated>  
  Partition 1:      C: NTFS   76314 MB  
[2] <hd1> [NA] 2041 MB <0~1 MB Unallocated>  
  Partition 1:      D: FAT32  2041 MB  
-----
```

Please select the harddisk to be backedup.  
Enter 0 to return to previous menu.

DiskMan <Select 0 - 2>: 2

Select Harddisk to backup

```
-----  
DL Disk  FS   TYPE   SIZE   SN  
[1] C: <hd0,1> NTFS   FIXED   76314 MB [ PUF804Z31PD12N]  
[2] D: <hd1,1> FAT32  REMOABLE 2041 MB []  
-----
```

Please select the partition to store the .wim image.  
Enter 0 to return to previous menu.

DiskMan <Select 0 - 2>: 1

Select partition that store \*.wim

\*.hdd.wim that already exist in the partition

```
-----  
[1]: C:\a.hdd.wim  
[2]: C:\machineA.hdd.wim  
-----
```

Please key in image file name, press [ENTER] to use default name "win-yyyymmdd-hhmm.hdd.wim"

name

Input prefix

- ❑ **On Windows XP, can backup the harddisk with OS:**
  - WindowsXP
  
- ❑ **On Windows 7, can backup the harddisk with OS:**
  - WindowsXP
  - Windows 7
  
- ❑ **On Windows PE, can backup the harddisk with OS:**
  - WindowsXP
  - Windows 7



-----  
Other Function

-----  
[1] Backup Partition  
[2] Backup Harddisk  
[3] Restore MBR  
[4] Clean Harddisk(Delete All Partitions From A Harddisk)  
[5] Make Bootable USB Thumb  
[6] Install WinPE to Windows HDD for Dual Boot  
[7] Update WinPE  
[8] BCDBoot  
-----

Enter 0 to return to previous menu.

DiskMan (Select 0 - 8): 3

**:Select Restore MBR:**

ASM

```
-----  
[1] <hd0> [PUF804Z31PD12N] 76319 MB <2~4 MB Unallocated>  
    Partition 1:      C: NTFS   76314  MB  
[2] <hd1> [NA] 2041 MB <0~1 MB Unallocated>  
    Partition 1:      D: FAT32  2041  MB  
-----
```

Please select harddisk to install MBR.  
Enter 0 to return to previous menu.

Select Harddisk

DiskMan <Select 0 - 2>: **1**

```
-----  
[1] install MBR for grub4dos  
[2] install MBR for windows  
-----
```

Enter 0 to return to previous menu.

Select MBR for grub4dos

DiskMan <Select 0 - 2>: **1**

You are going to  
Install MBR to harddisk  
<hd0> [PUF804Z31PD12N] 76319MB

Confirm

Press Y to confirm. **y**

-----  
Other Function

-----  
[1] Backup Partition  
[2] Backup Harddisk  
[3] Restore MBR  
[4] Clean Harddisk(Delete All Partitions From A Harddisk)  
[5] Make Bootable USB Thumb  
[6] Install WinPE to Windows HDD for Dual Boot  
[7] Update WinPE  
[8] BCDBoot  
-----

Enter 0 to return to previous menu.

DiskMan (Select 0 - 8): **4**

**:Select Clean Harddisk:**

ASM

```
-----  
[1] <hd0> [PUF804Z31PD12N] 76319 MB <2~4 MB Unallocated>  
    Partition 1:      C: NTFS   76314 MB  
[2] <hd1> [NA] 2041 MB <0~1 MB Unallocated>  
    Partition 1:      D: FAT32  2041 MB  
-----
```

Please select one Harddisk to be cleaned.  
Enter 0 to return to previous menu.

DiskMan <Select 0 - 2>: **1**

Select Harddisk

You are going to  
Clean this Harddisk  
    <hd0> [PUF804Z31PD12N] 76319MB

Press Y to confirm. **n**

Confirm?

ASM



-----  
Other Function

-----  
[1] Backup Partition  
[2] Backup Harddisk  
[3] Restore MBR  
[4] Clean Harddisk(Delete All Partitions From A Harddisk)  
[5] Make Bootable USB Thumb  
[6] Install WinPE to Windows HDD for Dual Boot  
[7] Update WinPE  
[8] BCDBoot  
-----

Enter 0 to return to previous menu.

DiskMan (Select 0 - 8): 5

**:Select Make Bootable USB Thumb:**



# Make Bootable USB Thumb

```
-----  
DL Disk   FS    TYPE    SIZE    SN  
[1] D: <hd1,1> FAT32  REMOVABLE 2041    MB []  
-----
```

Please select a USB thumb<size>=512MB> to install.

Enter 0 to return to previous menu.

DiskMan <Select 0 - 1>: **1**

Select USB thumb

You are going to

Make bootable USB thumb

D: <hd1,1> FAT32 2041MB []

Press Y to confirm. **y**

Confirm

ASM

-----  
Other Function

-----  
[1] Backup Partition  
[2] Backup Harddisk  
[3] Restore MBR  
[4] Clean Harddisk(Delete All Partitions From A Harddisk)  
[5] Make Bootable USB Thumb  
[6] Install WinPE to Windows HDD for Dual Boot  
[7] Update WinPE  
[8] BCDBoot  
-----

Enter 0 to return to previous menu.

DiskMan (Select 0 - 8): **7**

**:Select Install WinPE to Windows HDD for Dual Boot:**

ASM

# Install WinPE to Windows HDD for Dual Boot

```
-----  
[1] <hd0> [PUF804Z31PD12N] 76319 MB <2~4 MB Unallocated>  
    Partition 1:      C: NTFS   76314 MB  
[2] <hd1> [INA] 2041 MB <0~1 MB Unallocated>  
    Partition 1:      D: FAT32  2041 MB  
-----
```

Please select the Windows harddisk to install.

Enter 0 to return to previous menu.

DiskMan <Select 0 - 2>: **1**

Please Input Partition Size In MB(greater than 512MB): **512**\_

Select Harddisk to install

Enter Size of the partition

ASM

-----  
Other Function

- 
- [1] Backup Partition
  - [2] Backup Harddisk
  - [3] Restore MBR
  - [4] Clean Harddisk(Delete All Partitions From A Harddisk)
  - [5] Make Bootable USB Thumb
  - [6] Install WinPE to Windows HDD for Dual Boot
  - [7] Update WinPE
  - [8] BCDBoot
- 

Enter 0 to return to previous menu.

DiskMan (Select 0 - 8): **8**

**:Select BCDboot:**

ASM

```
-----  
| BCDboot -- Step 1 |  
-----
```

```
-----  
      DL Disk      FS      TYPE      SIZE      VolName  SN  
[1] C: (hd0,1) NTFS      FIXED      220000 MB NIL      [101019PBN238DSD378BM]  
[2] D: (hd0,2) NTFS      FIXED      10000  MB New_Volu [101019PBN238DSD378BM]  
-----
```

Please select the partition to do bcdboot:

Enter 0 to return to previous menu.

DiskMan (Select 0 - 2): **1**

**:Select drive C:**

.

.

Delete boot: del /Q /F /AH C:\boot

.

.

Delete bootmgr: del /Q /F /AH C:\bootmgr

.

.

Config boot: bcdboot C:\Windows /s C:

bcdboot Done!

ASM

# Custom Function



- ❑ Select [7],[1]
- ❑ Select config file \*1

**\*1 Only \*.xml under [Drive]\Diskman\Config\ will be listed for selection**

ASM



```
=====
! Custom Function !
=====
```

```
[1] Change Config File
[2] Conf Restore
[3] Create WireBond HDD layout
[4] EagleXtreme Backup
[5] Machine_A restore with data backup
[6] Machine_B Version Conntrol
=====
```

```
Enter 0 to return to previous menu.
DiskMan <Select 0 - 6>: 1
=====
```

```
[1]: D:\Diskman\config\config.xml
[2]: D:\Diskman\config\config2.xml
=====
```

```
Please select a config file.
Enter 0 to return to previous menu.
DiskMan <Select 0 - 2>: 1
conf file: D:\Diskman\config\config.xml
=====
```

```
=====
! Custom Function !
=====
```

```
[1] Change Config File
[2] Conf Restore
[3] Create WireBond HDD layout
[4] EagleXtreme Backup
[5] Machine_A restore with data backup
[6] Machine_B Version Conntrol
=====
```

```
Enter 0 to return to previous menu.
DiskMan <Select 0 - 6>:
```

# Format of config.xml for custom backup

```
<?xml version="1.0" encoding="UTF-8"?>
<?proc-inst-1 'foo' ?>
<config xmlns:xsi="http://www.w3.org/2001/XMLSchema"
  <menuitem title="Conf Restore" fun="Restore">
  </menuitem>
  <menuitem title="EagleXtreme Backup" fun="Backup">
    <comment>this is a comment</comment>
    <path>
      <item value="path_A"></item>
      <item value="path_B"></item>
    </path>
  </menuitem>
  <menuitem title="Machine_A restore with data backup" fun="Part_Restore_With_Data_Backup">
    <path>
      <item value="prog\data_A"></item>
      <item value="data_B"></item>
      <item value="data_C"></item>
    </path>
  </menuitem>
  <menuitem title="Machine_B Version Control" fun="Version_Control">
    <default file="bp.txt"></default>
    <path>
      <item value="BP\sys_A.zip"></item>
      <item value="BP\data_B.zip"></item>
    </path>
  </menuitem>
</config>
```

```
[1] C: (hd0,1) NTFS    FIXED    76314 MB [1]
[2] D: (hd1,1) FAT32   REMOVABLE 2041 MB [1]

Please select the partition to be backedup
Diskman> 0

-----
! Custom Function !
-----

[1] Change Config File
[2] Conf Restore
[3] EagleXtreme Backup
[4] Machine_A restore with data backup
[5] Machine_B Version Control
[0] Return To Main Menu
Diskman> _
```

❑ Each <menuitem> represents a function in Custom Function

❑ <menuitem> has two attributes

- Title

- Fun

Only Title will be displayed in diskman

```
! Custom Function !
-----
[1] Change Config File
[2] Conf Restore
[3] EagleXtreme Backup
[4] Machine_A restore with data backup
[5] Machine_B Version Conntrol
[0] Return To Main Menu
Diskman>
```

❑ <item> under <path> are the target paths

- The path is stored in attribute “value” of <item>

- For example

<path>

<item value="path\_A"></item>

<item value="path\_B"></item>

</path>

ASM

## ❑ There are 4 supported functions,

- Backup
- Restore
- Part\_Restore\_With\_Data\_Backup
- Version\_Control

ASM

## ❑ Description:

To backup specified paths

## ❑ Example:

```
<menuitem title="EagleXtreme Backup" fun="Backup">
```

```
<comment>this is a comment</comment>
```

```
<path>
```

```
    <item value="path_A"></item>
```

```
    <item value="path_B"></item>
```

```
</path>
```

```
</menuitem>
```

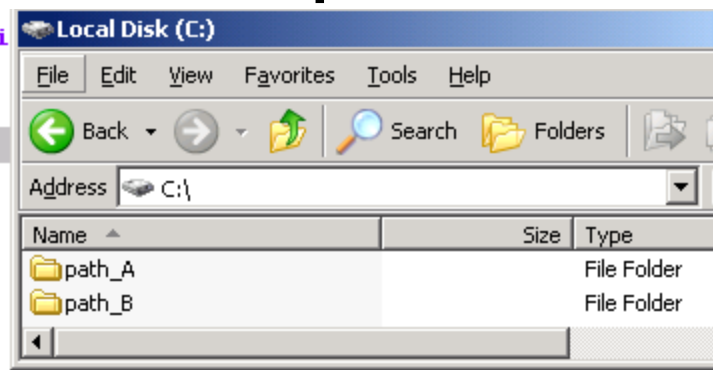
## ❑ Note:

The paths must exist, if one of the paths doesn't exist  
Diskman will not carry on the backup

- ❑ Select [8]
- ❑ Select an item whose function is "Backup"
- ❑ Select the partition to be backuped \*1
- ❑ Select the partition to store the image (\*.conf.wim)
- ❑ Enter a name for the image
- ❑ Enter 'y' or 'Y' to confirm

**\*1 Make sure the partition contains the paths, i.e.**

```
onfig xmlns:xsi="http://www.w3.org/2001/XMLSchema-i
<menuItem title="Conf Restore" fun="Restore">
</menuItem>
<menuItem title="EagleXtreme Backup" fun="Backup">
  <comment>this is a comment</comment>
  <path>
    <item value="path_A"></item>
    <item value="path_B"></item>
  </path>
</menuItem>
```



# Fun in config file (Backup)

```
C:\WINDOWS\system32\cmd.exe - run

! Custom Function !
-----
[1] Change Config File
[2] Conf Restore
[3] EagleXtreme Backup
[4] Machine_A restore with data backup
[5] Machine_B Version Conntrol
[0] Return To Main Menu
Diskman> 3

      DL Disk   FS      TYPE      SIZE      SM
[1] C: (hd0,1) NTFS   FIXED    76314 MB [    PUF804Z31PD12N1

Please select the partition to be backuped
Diskman> 1

      DL Disk   FS      TYPE      SIZE      SM
[1] C: (hd0,1) NTFS   FIXED    76314 MB [    PUF804Z31PD12N1

Please select the partition to store the image.
Diskman> 1
Please key in image file name, press [ENTER] to use default name "win-yyyymmdd-hmm.conf.wim"
a
-----

You are going to
Backup specific paths in partition
      C: (hd0,1) NTFS 76314MB [    PUF804Z31PD12N1
Paths To Be Backuped
      path_A
      path_B

Press Y to confirm.
```

- ❑ **Description:**

To restore a partition from \*.conf.wim backupd from  
“Backup” function

- ❑ **Example:**

```
<menuitem title="Conf Restore" fun="Restore">  
</menuitem>
```

ASM



- ❑ Select [8]
- ❑ Select an item whose function is “Restore”
- ❑ Select the partition choose image from
- ❑ Select the a image (\*.conf.wim)
- ❑ Select the partition to be restored
- ❑ Enter ‘y’ or ‘Y’ to confirm

ASM

# Fun in config file (Restore)

```
C:\WINDOWS\system32\cmd.exe - run

====Diskman: Conf Backup Done Successfully
=====
! Custom Function !
=====
[1] Change Config File
[2] Conf Restore
[3] EagleXtreme Backup
[4] Machine_A restore with data backup
[5] Machine_B Version Control
[0] Return To Main Menu
Diskman> 2

      DL Disk   FS      TYPE      SIZE      SM
[1] C: (hd0,1) NTFS   FIXED    76314    MB [      PUF804Z31PD12N]

Please select the partition to choose image from.
Diskman> 1

[1]: C:\data1.conf.wim
Please select an image.
Diskman> 1

      DL Disk   FS      TYPE      SIZE      SM
[1] C: (hd0,1) NTFS   FIXED    76314    MB [      PUF804Z31PD12N]

Please select the partition to be restored.
Diskman> 1

-----
You are going to
  RESTORE harddisk from C:\data1.conf.wim
      C: (hd0,1) NTFS 76314MB [      PUF804Z31PD12N]
Press Y to confirm.y
```

## ❑ Description:

To backup specified paths, restore a partition, then restore backupped paths

## ❑ Example:

```
<menuItem title="Machine_A restore with data backup"  
fun="Part_Restore_With_Data_Backup">
```

```
<path>
```

```
  <item value="prog\data_A"></item>
```

```
  <item value="data_B"></item>
```

```
  <item value="data_C"></item>
```

```
</path>
```

```
</menuItem>
```

ASM

- ❑ Select [8]
- ❑ Select an item whose function is  
“Part\_Restore\_With\_Data\_Backup”
- ❑ Select the partition to choose image from (\*.part.wim)
- ❑ Select an image
- ❑ Select the partition to be restored \*1
- ❑ Select the partition to store the backup image
- ❑ Enter ‘y’ or ‘Y’ to confirm

**\*1 Make sure the partition contains the specified paths**

# Fun in config file (Part\_Restore\_With\_Data\_Backup)

```
C:\WINDOWS\system32\cmd.exe - diskman /E
[0] Return To Main Menu
Diskman> 4

      DL Disk   FS      TYPE      SIZE      SN
[1] C: (hd0,1) NTFS    FIXED    76314    MB [      PUF804Z31PD12N1

Please select a partition to choose image from.
Diskman> 1

[1]: C:\data1.part.wim
Please select an image.
Diskman> 1

      DL Disk   FS      TYPE      SIZE      SN
[1] C: (hd0,1) NTFS    FIXED    76314    MB [      PUF804Z31PD12N1

Please select a partition to be restored.
Diskman> 1

      DL Disk   FS      TYPE      SIZE      SN
[1] C: (hd0,1) NTFS    FIXED    76314    MB [      PUF804Z31PD12N1

Please select the partition to backup data.
Diskman> 1

-----

You are going to
  Restore Partition With Data Backup
    C: (hd0,1) NTFS 76314MB [      PUF804Z31PD12N1
  Data To Be Backupid
    prog\data_A
    data_B
    data_C

Press Y to confirm.y
```

## ❑ Description:

To extract specified \*.zip files to a partition

## ❑ Example:

```
<menulitem title="Machine_B Version Conntrol"  
fun="Version_Control">  
  <default file="bp.txt"></default>  
  <path>  
    <item value="BP\sys_A.zip"></item>  
    <item value="BP\data_B.zip"></item>  
  </path>  
</menulitem>
```

ASM

- ❑ **Select [8]**
- ❑ **Select an item whose function is “Version\_Control”**
- ❑ **Select the partition, p1, to perform the function**
- ❑ **Select the partition to get specified \*.zip from**
- ❑ **If version control config file exists in p1**
  - \*.zip stored in the file will be extracted
- ❑ **Else \*1**
  - default \*.zip will be extracted
- ❑ **Enter ‘y’ or ‘Y’ to confirm**

**\*1 Warning will be displayed in this case**

## ❑ Version control config file

- File Name: version.conf

- Content and format:

File1.zip

File2.zip

File3.zip

- Location: [Drive]:\, e.g. C:\, D:\

ASM



# Fun in config file (Version\_Control)

```
C:\WINDOWS\system32\cmd.exe - diskman /E

data_C

Press Y to confirm.n

-----
! Custom Function !
-----

[1] Change Config File
[2] Conf Restore
[3] EagleXtreme Backup
[4] Machine_A restore with data backup
[5] Machine_B Version Conntrol
[0] Return To Main Menu
Diskman> 5

      DL Disk   FS      TYPE      SIZE      SM
[1] C: (hd0,1) NTFS   FIXED      76314   MB [      PUF804Z31PD12N]

Please select the partition to do version correction.
Diskman> 1

      DL Disk   FS      TYPE      SIZE      SM
[1] C: (hd0,1) NTFS   FIXED      76314   MB [      PUF804Z31PD12N]

Please select the partition to get zips from.
Diskman> 1
Warning: Config File Does Not Exist, Default Version Is Restored.
-----

You are going to
Machine_B Version Conntrol
      C: (hd0,1) NTFS 76314MB [      PUF804Z31PD12N]
zips to be extracted
      BP\sys_A.zip
      BP\data_B.zip

Press Y to confirm.n
```

## ❑ Prerequisite

- OS is Windows XP/Windows Embedded 7
- Have wimfltr.inf installed **OR** have Windows ALK installed
- Have wimmount.inf installed

## ❑ Install wimfltr.inf and wimmount.inf tutorial\*

- Download wimfltr.inf, wimfltr.sys, wimmount.inf and wimmount.sys from SWR DiskMan
- Right click on wimfltr.inf, wimmount.inf
- Install

## ❑ \*Once installed no need to install after restart

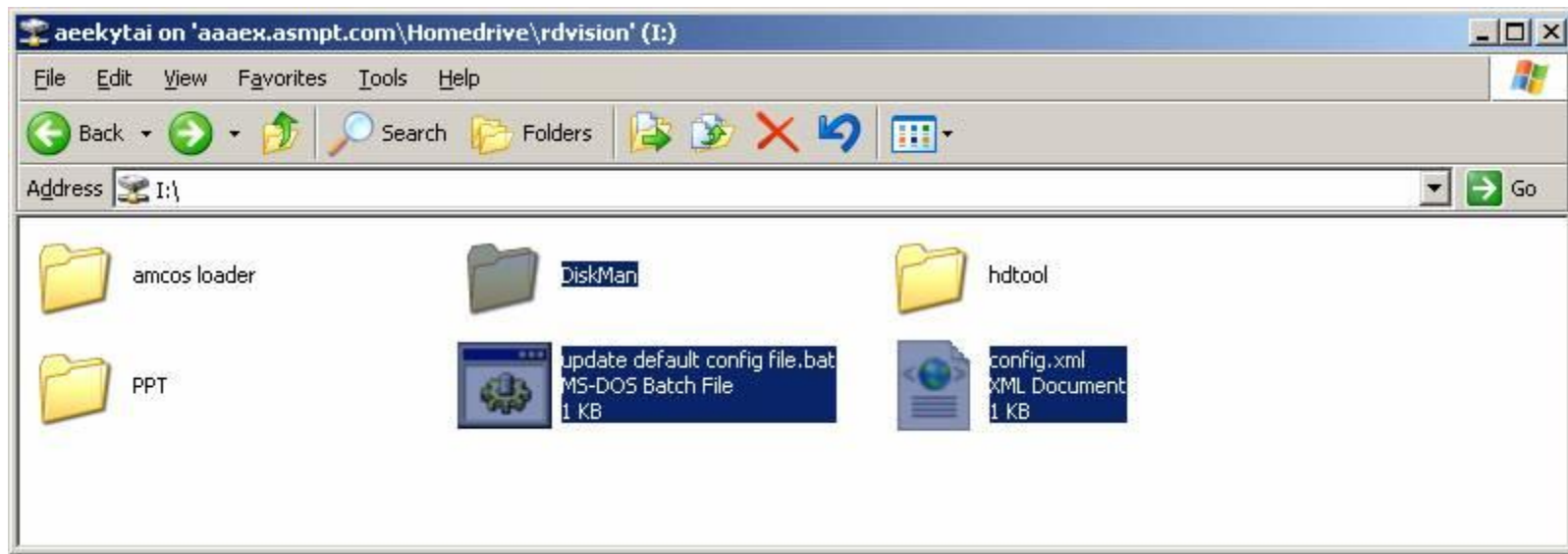
ASM

## ❑ Setup the following environment

- Download DiskMan and “update default config file.bat”
- Make your own config file, name it as config.xml
- Put these file/folder under the same depth

## ❑ To update/change,

- Double click “update default config file.bat”



# Mass Production



- ❑ Enter “8” and Press Enter to select Mass Production.

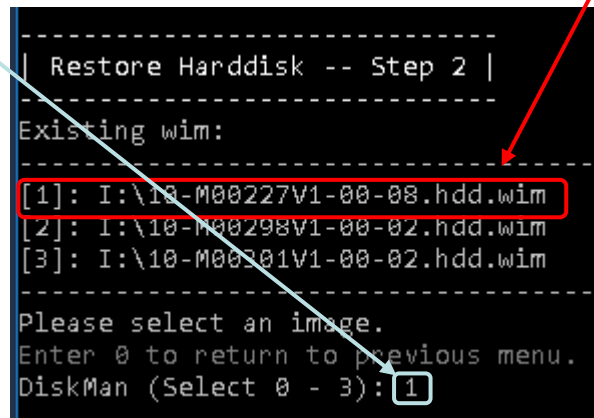
```
-----  
| Diskman Main Menu |  
-----  
  
[1] Restore Partition  
[2] Restore Harddisk  
[3] Quick Restore Harddisk  
[4] Quick Backup Harddisk  
[5] Edit Partition...  
[6] Other Function...  
[7] Custom Function...  
[8] Mass Production  
[9] Shutdown Computer  
-----  
  
Enter 0 to return to previous menu.  
DiskMan (Select 0 - 9): 8
```

# Select the partition to choose image

- ❑ Choose image from partition I:\
- ❑ Enter “2” and Press Enter to select partition 4.

```
-----  
DL Disk  FS   TYPE      SIZE      VolName      SN  
[1] C: (hd0,1) NTFS  FIXED      54046 MB (52.77GB) NTL [CVCV22500401120BGN]  
[2] I: (hd0,4) NTFS  FIXED      56322 MB (55.00GB) OTHER [CVCV22500401120BGN]  
[3] F: (hd1,1) NTFS  FIXED      50000 MB (48.82GB) WESXP_IQ77 [RBF50A1N26W31P]  
[4] G: (hd1,2) NTFS  FIXED      10000 MB (9.765GB) WINPE_IQ77 [RBF50A1N26W31P]  
[5] D: (hd2,1) NTFS  FIXED      50000 MB (48.82GB) WESXP_IQ77 [E2X32X1L02GRJP]  
[6] E: (hd2,2) NTFS  FIXED      10000 MB (9.765GB) WINPE_IQ77 [E2X32X1L02GRJP]  
-----  
Please select the partition to choose image(*.hdd.wim) from.  
Enter 0 to return to previous menu.  
DiskMan (Select 0 - 6): 2
```

- ❑ In this case, we used 10-M00227V1-00-08.hdd.wim
- ❑ Enter “1” and Press Enter to select image 1.



```
-----  
| Restore Harddisk -- Step 2 |  
-----  
Existing wim:  
-----  
[1]: I:\10-M00227V1-00-08.hdd.wim  
[2]: I:\10-M00298V1-00-02.hdd.wim  
[3]: I:\10-M00301V1-00-02.hdd.wim  
-----  
Please select an image.  
Enter 0 to return to previous menu.  
DiskMan (Select 0 - 3): 1
```

# Select the hddisk to be restored

- ❑ Reminder selecting the first hddisk.
- ❑ Enter “1” and Press Enter to select hddisk 1.
- ❑ After that, the selected hddisk shows here.
- ❑ Enter “n” to select the next hddisk.

```
| Restore Harddisk -- Step 3 |  
-----  
1 HardDisk  
-----  
[1] (hd1) [RBF50A1N26W31P] 476940MB (465.7GB) FIXED 7 (416937MB (407.1 GB) Unallocated)  
Partition 1: F: NTFS 50000 MB (48.82GB) WESXP_IQ77  
Partition 2: G: NTFS 10000 MB (9.765GB) WINPE_IQ77  
[2] (hd2) [E2X32X1L02GRJP] 305245MB (298.0GB) FIXED 7 (245242MB (239.4 GB) Unallocated)  
Partition 1: D: NTFS 50000 MB (48.82GB) WESXP_IQ77  
Partition 2: E: NTFS 10000 MB (9.765GB) WINPE_IQ77  
-----  
Please select the hddisk to be restored.  
Enter 0 to return to previous menu.  
DiskMan (Select 0 - 2): 1
```

```
You have selected the hddisk below  
  
(hd1) [RBF50A1N26W31P] 476940MB (465.7GB) FIXED 7 (416937MB (407.1 GB) Unallocated)  
Partition 1: F: NTFS 50000 MB (48.82GB) WESXP_IQ77  
Partition 2: G: NTFS 10000 MB (9.765GB) WINPE_IQ77
```

```
Do you finish? Y/N  
n
```



# Select the harddisk to be restored

- ❑ Reminder selecting the second harddisk.

- ❑ Enter "2" and Press Enter to select harddisk 2.

- ❑ The selected harddisk shows here.

- ❑ Enter "y" to finish selection.

```
-----
| Restore Harddisk -- Step 3 |
-----
2 HardDisk

[1] (hd1) [RBF50A1N26W31P] 476940MB (465.7GB) FIXED 7 (416937MB (407.1 GB) Unallocated)
    Partition 1:      F: NTFS      50000 MB (48.82GB) WESXP_IQ77
    Partition 2:      G: NTFS      10000 MB (9.765GB) WINPE_IQ77
[2] (hd2) [E2X32X1L02GRJP] 305245MB (298.0GB) FIXED 7 (245242MB (239.4 GB) Unallocated)
    Partition 1:      D: NTFS      50000 MB (48.82GB) WESXP_IQ77
    Partition 2:      E: NTFS      10000 MB (9.765GB) WINPE_IQ77

Please select the harddisk to be restored.
Enter 0 to return to previous menu.
DiskMan (Select 0 - 2): 2
```

```
You have selected the harddisk below

(hd1) [RBF50A1N26W31P] 476940MB (465.7GB) FIXED 7 (416937MB (407.1 GB) Unallocated)
    Partition 1:      F: NTFS      50000 MB (48.82GB) WESXP_IQ77
    Partition 2:      G: NTFS      10000 MB (9.765GB) WINPE_IQ77
(hd2) [E2X32X1L02GRJP] 305245MB (298.0GB) FIXED 7 (245242MB (239.4 GB) Unallocated)
    Partition 1:      D: NTFS      50000 MB (48.82GB) WESXP_IQ77
    Partition 2:      E: NTFS      10000 MB (9.765GB) WINPE_IQ77

Do you finish? Y/N
y
```

- ❑ Input new size of partition 1 ( 60000MB) and 2 (10000MB).

```
Rest size of New Harddisk: 476940MB (465.7GB)
Original Size of Partition[1]: 46000MB (44.92GB)
Please Input New Size for partition[1] (in MB <0 to exit> ): 60000
-----
Rest size of New Harddisk: 476940MB (465.7GB)
Original Size of Partition[2]: 10001MB (9.766GB)
Please Input New Size for partition[2] (in MB <0 to exit> ): 10000
```



## □ Last confirmation for

- - The selected Image from harddisk I.
- - There are two harddisks are going to be restored (hd1, hd2).
- - Using customer layout. 60000MB for partition1 and 10000MB for partition 2.
- Input "y" to confirm.

```
-----  
| Restore Harddisk -- Step 4 |  
-----  
You have chosen:  
  
Warning: All data will be lost in the harddisk  
  
You are going to  
RESTORE harddisk from I:\10-M00227V1-00-08.hdd.wim  
(hd1) [RBF50A1N26W31P] 476940MB (465.7GB)  
(hd2) [E2X32X1L02GRJP] 305245MB (298.0GB)  
  
using Customer layout  
  
Input Y to confirm. y
```

- ❑ Disk 1 started to restore.

- ❑ Disk 1 successfully formatted and assigned the new layout.

- ❑ Disk 1 was restored and disk 2 started.

- ❑ Disk 2 formatted and assigned the same layout

- ❑ Disk 2 was restored.

- ❑ Restorations finished.

```
====Diskman: Restore Harddisk 1/2 Harddisk Start
```

```
Disk 1 is now the selected disk.
```

```
DiskPart succeeded in cleaning the disk.
```

```
New Harddisk Layout:
```

Partition 1	NTFS	60000	MB	(58.59GB)
Partition 2	NTFS	10000	MB	(9.765GB)

```
Finish Time and Date: Wed Nov 20 16:26:42 2019
```

```
====Diskman: Restore Harddisk 1/2 Harddisk Done Successfully
```

```
====Diskman: Restore Harddisk 2/2 Harddisk Start
```

```
Start Time and Date: Wed Nov 20 16:26:43 2019
```

```
Finish Time and Date: Wed Nov 20 16:33:06 2019
```

```
====Diskman: Restore Harddisk 2/2 Harddisk Done Successfully
```

# Shutdown Computer



```
DiskMan V4-01 Compiled on Mar  5 2020  
Copyright (C) 2019 ASM Assembly Automation Ltd. All rights reserved.
```

```
-----  
Verify Key To Use Diskman  
Please Enter Key (Exit:Ctrl+C):  
*****
```

```
ver > currentos.txt  
Disk 0 is System Disk.
```

```
-----  
| Diskman Main Menu |  
-----
```

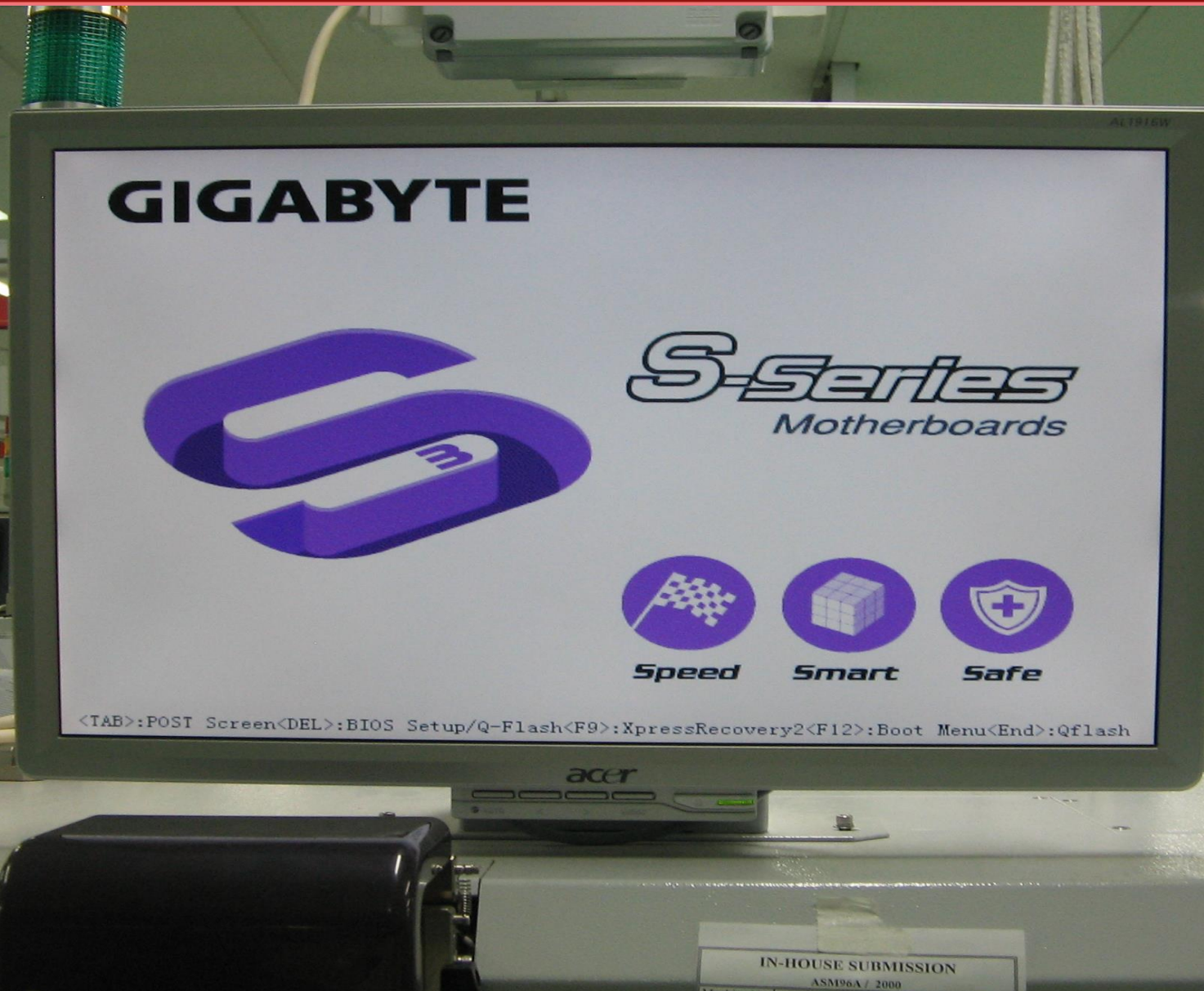
```
[1] Restore Partition  
[2] Restore Harddisk  
[3] Quick Restore Harddisk  
[4] Quick Backup Harddisk  
[5] Edit Partition...  
[6] Other Function...  
[7] Custom Function...  
[8] Mass Production  
[9] Shutdown Computer  
-----
```

```
Enter 0 to return to previous menu.  
DiskMan (Select 0 - 9): 9
```

Input 9 and press enter, the PC  
Will be shutdown

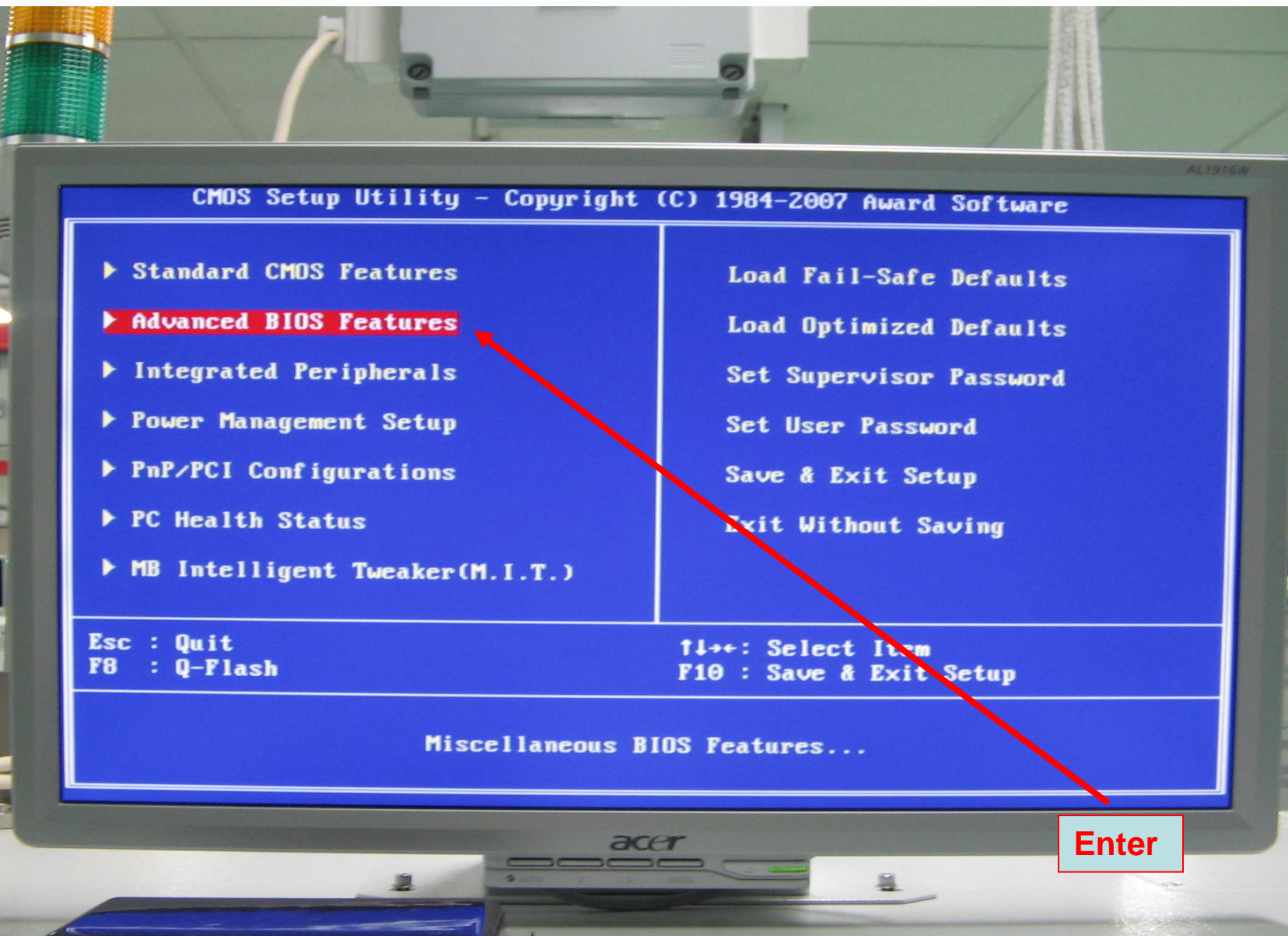


# Boot From USB: Power on machine. Press DEL to enter into BIOS setting panel



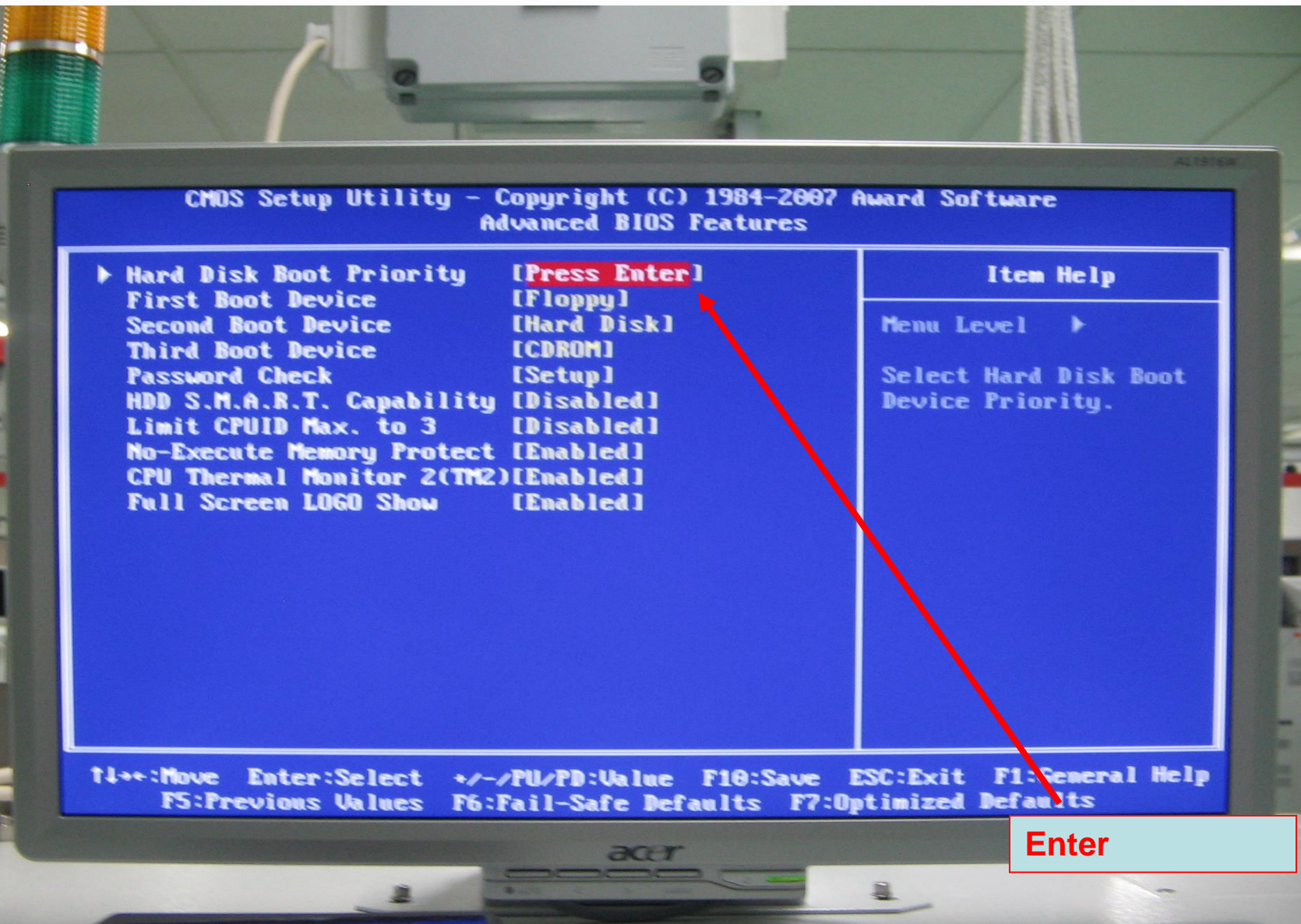


# Boot From USB: Goto Hard disk Boot Priority submenu. Set your USB to boot first





# Boot From USB: Goto Hard disk Boot Priority submenu. Set your USB to boot first



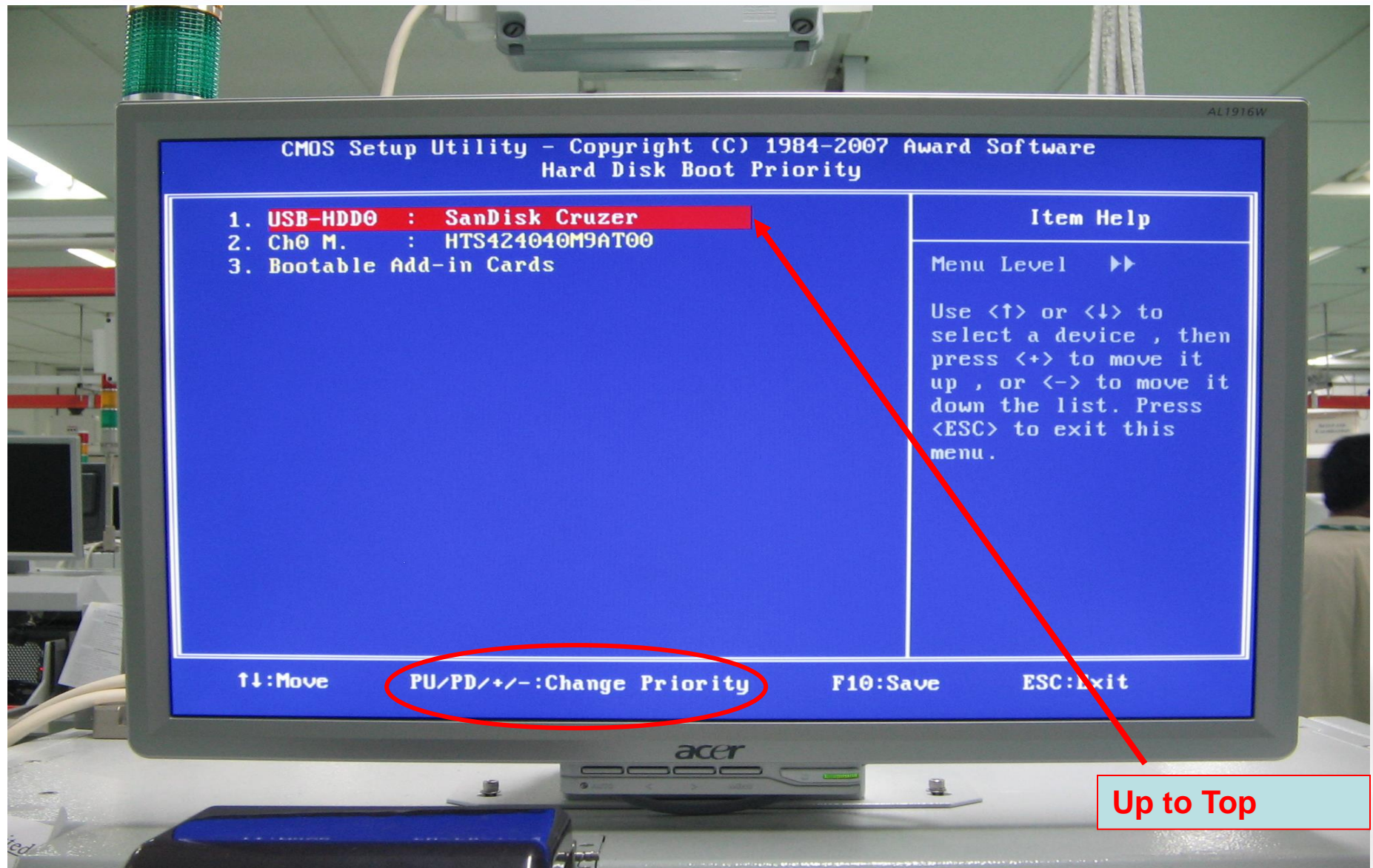


# Boot From USB: Goto Hard disk Boot Priority submenu. Set your USB to boot first



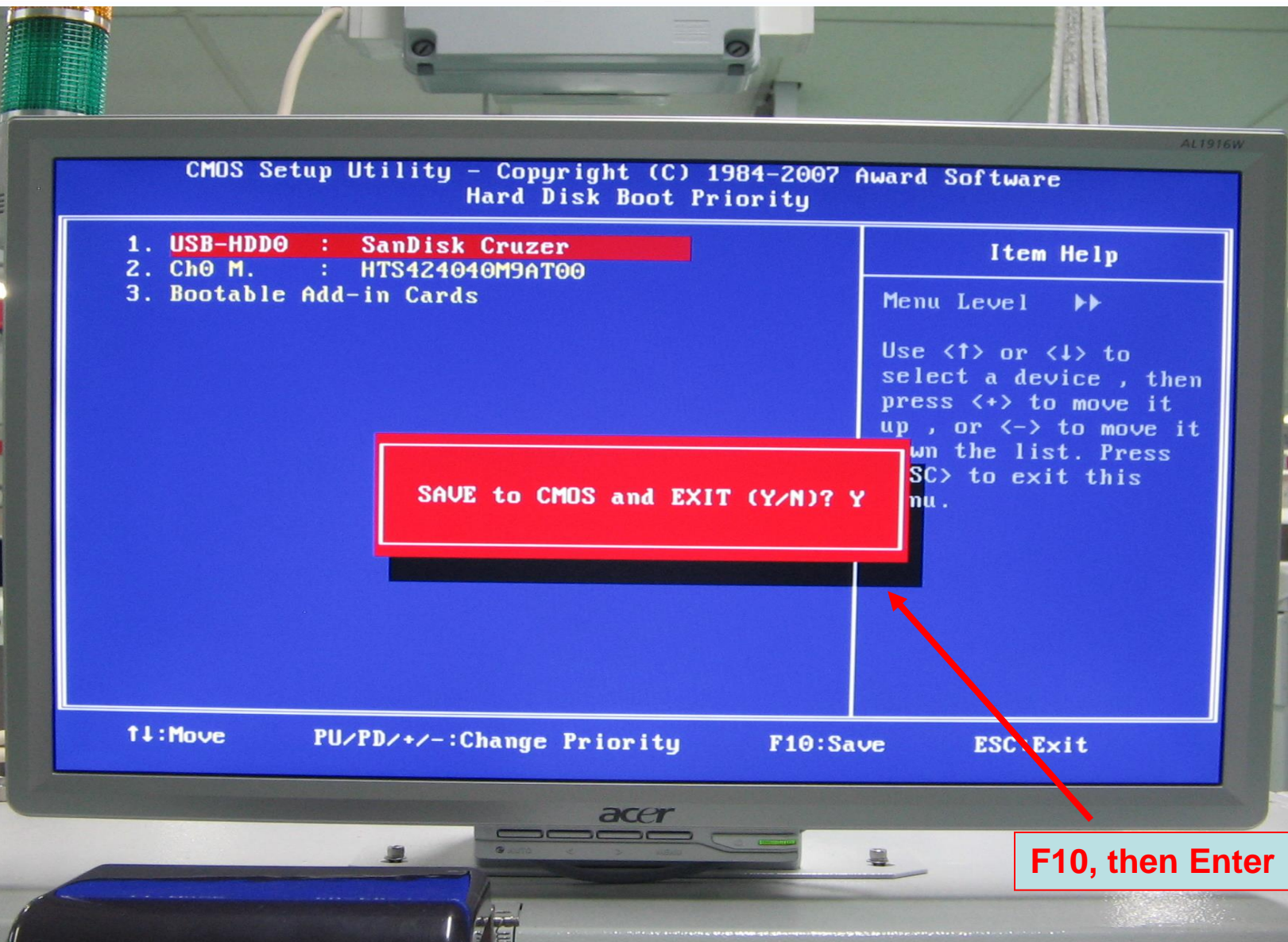


# Boot From USB: Goto Hard disk Boot Priority submenu. Set your USB to boot first





# Boot From USB: Goto Hard disk Boot Priority submenu. Set your USB to boot first



□ End

ASM