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## **XPC Installation Guide**

### **XPC準系統安裝手冊**

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Use for (適用機種): **SK41G**

**M645**

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**Shuttle®**

## **XPC Installation Guide**

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**XPC 準系統安裝手冊**

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把電腦和接收器的電源線路分開，不使用同一個插座。  
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## 1.1 XPC Introduction / XPC 特色介紹

### Compact, Light, Stylish

XPC is probably the smallest & the lightest system currently available in the market today. It is also quite stylish with a "cube" shape that is kind of cute. The chassis is made out of 100% aluminum with cool silver color.

Shuttle calls these cube-shaped mini bare-bone system XPC (next generation PC) due to the fact that Shuttle believes the next generation PC should be small, light weight, easy to use and should look distinctively different from the traditional PC and runs cool.

Shuttle XPC includes chassis, power supply, mainboard and its accessories.

XPC SK41G can support the latest AMD Athlon XP/Duron processors.

### 精簡, 輕巧, 有型

浩鑫XPC是現今市場上最小巧, 最輕盈的系統, "cube" 狀的特殊造型搭配上全鋁銀白機殼賦予此系列獨樹一格, 傲視傳統電腦的獨特身段。

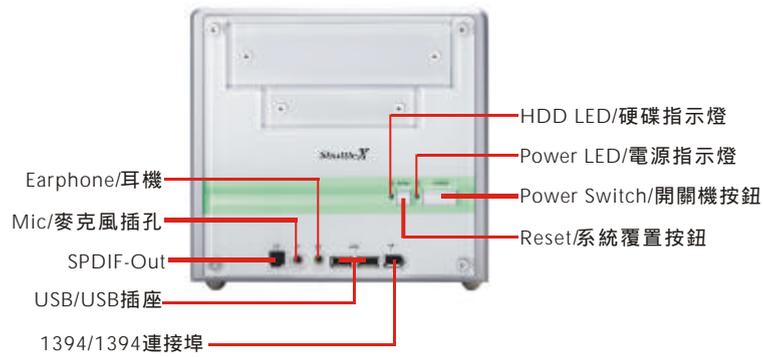
浩鑫迷你準系統概念迥異於傳統電腦, 其輕巧、多功能、造型精緻、散熱良好、容易安裝和使用等優點, 符合使用者對次世代電腦的期待, 因此, 浩鑫公司將此系列迷你電腦以XPC (next generation PC)的概念加以推展。

XPC 主要組成元件包含機殼、電源供應器、主機板和相關配件。  
XPC SK41G 可支援最新的AMD Athlon XP/Duron 處理器。

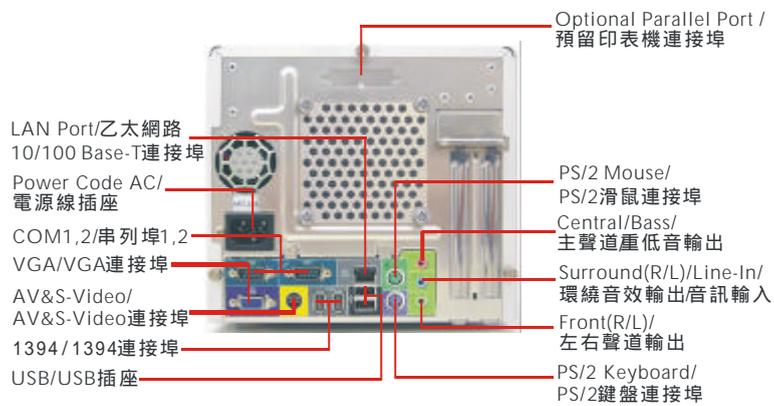
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## 1.2 XPC Function Illustration / XPC 功能說明

### Front / 正面構造



### Back / 背面構造



### 1.3 Accessories / 配件內容

- |  |                                  |
|--|----------------------------------|
| 1. I.C.E. tech Socket 462 heat-pipe x 1, screws x 4, & copper shim X 1 | 1. 熱導管散熱片 x1, 螺絲 x4, CPU保護銅片 x 1 |
| 2. Front feet x 2  | 2. 前腳座 x 2                       |
| 3. FDD cable x 1   | 3. 軟碟機排線 x 1                     |
| 4. CD-ROM IDE cable x 1  | 4. 光碟機 IDE 排線 x 1                |
| 5. HDD IDE cable x 1   | 5. 硬碟 IDE 排線 x 1                 |
| 6. Power cord x 1  | 6. 電源線 x 1                       |
| 7. XPC installation guide x 1  | 7. XPC 安裝手冊 x 1                  |
| 8. Mainboard CD x 1  | 8. 主機板驅動程式光碟片 x 1                |
| 9. Mainboard manual x 1  | 9. 主機板使用手冊 x 1                   |
| 10. Installation kit (screws...etc.) x 1                               | 10. 零件包(螺絲 等) x 1                |

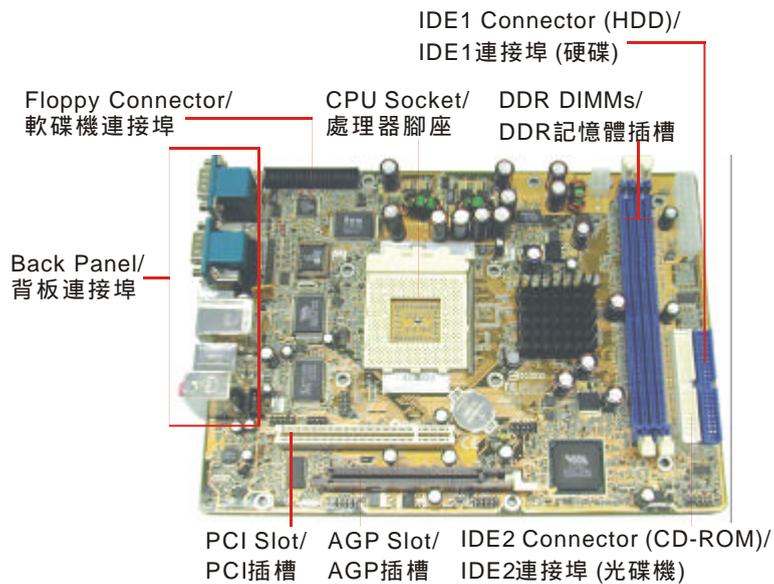


**Note:** Accessories will be a little different in appearance by models.  
Please contact our local agent for help if there is something missing.

**注意：**實際配件會依購買機型不同而有些微外觀差異，若有短少或損壞情形，請洽當地代理商處理。

## 2.1 Hardware Installation / 硬體安裝

### 2.1.1 Mainboard / 主機板介紹



**Note:** 1: The orientation of CPU or Memory modules must be identical to its socket or slots.

2: The Red-line of cables (ex: FDD, HDD...) and "1" marked on the socket or slots, all stand for the first pin. Please make sure before fabricate.

**注意:** 1: 注意中央處理器與腳座，記憶體模組與插槽的方向要一致。

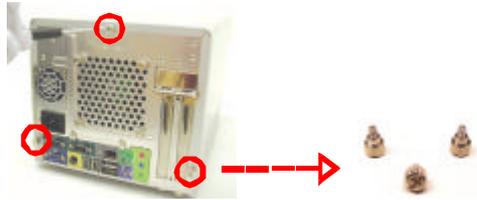
2: 排線上的紅線與主機板插座上標有的字皆為第一隻腳，安裝時方向要正確。

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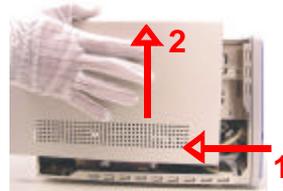
## 2.2 Start To Insatll / 開始安裝

### 2.2.1 Open Chassis Cover / 移開機殼上蓋

1. Remove 3 screws of chassis cover.  
鬆開三顆背板固定螺絲。

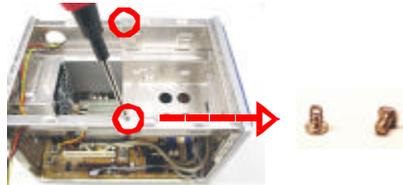


2. Remove the cover.  
移開機殼上蓋。

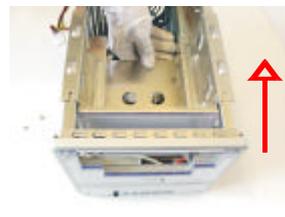


### 2.2.2 Remove HDD / FDD / CD-ROM Rack / 移開硬體週邊支架

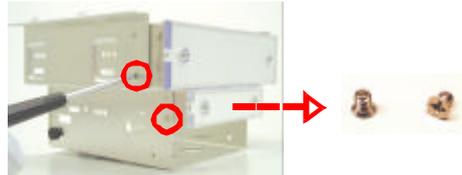
1. Remove 4 screws of rack.  
鬆開支架上的擋板固定螺絲。



2. Remove the rack.  
取下支架。



3. Loosn 4 screws of the Rack.  
鬆開四顆支架螺絲。



4. Remove all front covers.  
取下所有擋板。

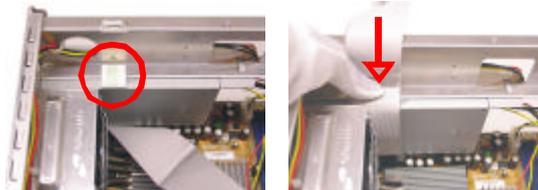


### 2.2.3 Install FDD Cable / 安裝軟碟機排線

1. FDD cable.  
軟碟機排線。
2. Plug FDD cable to the FDD connector.  
安裝軟碟機排線於主機板的軟碟機連接埠口。
3. Fold FDD cable under power supply.  
反折軟碟機排線於電源供應器下方。



4. Fix FDD cable onto the power and chassis rail with adhesive from accessory pack.  
用零件盒內附雙面膠固定排線於 power 側面，固定軟碟機排線於 power 下方。



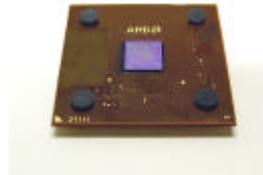
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## 2.3 CPU And Cooler Installation / 安裝處理器及散熱風扇

### 2.3.1 SK41G Series /SK41G Series 系列

**Note:** SK41G supports AMD® Socket 462 Athlon® XP/Duron processor.  
Please follow our steps to complete the CPU installation.  
**注意：**SK41G系列使用 AMD® Athlon® XP/Duron 處理器。安裝程序請  
依照下圖說明進行。

1. AMD Socket 462 Athlon XP/Duron processor.  
AMD Socket 462 Athlon XP/Duron 處理器。



2. Pull up the CPU socket lever to 90-degree angle.  
找到主機板上的 Socket 462 CPU 腳座。  
將腳座旁的拉桿往外推出並向上 90 度拉起。



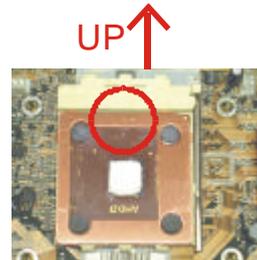
3. Place your CPU in the socket.  
將CPU放入腳座。



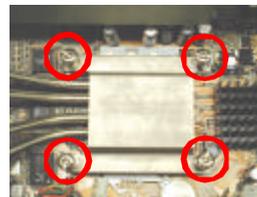
4. Apply thermal grease on the top of CPU die.  
將散熱膏均勻地塗抹於CPU上。



5. Place the copper shim on top of CPU die.  
Follow the directional word, "UP" as mounting.  
將 CPU 保護銅片置於 CPU 上，安裝時請注意  
銅片上之字樣 "UP" 必須朝向腳座上之 "SOCKET  
462" 字樣。



6. Insert the four screws in the holes on the heat-pipe's four cut edges; later place the heat-pipe on the CPU socket and match the screws with the holes on the socket.  
先將四顆螺絲放入熱導管四個切角孔內。  
把熱導管置於 CPU 腳座上，並將螺絲對齊腳座孔洞後置入。



7. Screwing the heat-pipe on the CPU socket.  
Note that press down the diagonal cut edge as screwing or unscrewing the other.  
Note: Set the weight under 4KG as using an electric screwdriver.

將螺絲鎖入 CPU 腳座或將螺絲自 CPU 腳座鬆開時，請按壓其對角線端，再將螺絲一一鎖入或鬆開。

注意：使用電動螺絲起子時，請將重力設於 4KG 以下。



8. Plug the fan's power to the CPU fan connector on the mainboard.  
將風扇電源線插入主機板上之 CPU 風扇插座。



9. Screwing the heat-pipe to the back-panel.  
用所附的4顆螺絲將熱導管固定於機殼背板上。

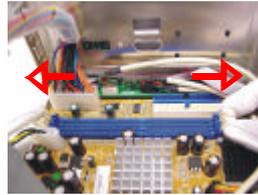


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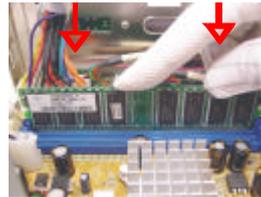
## 2.4 Install DDR SDRAM / 安裝記憶體模組

Install the DDR module to the DIMM1 / DIMM2.  
安裝記憶體於主機板上的記憶體插槽。

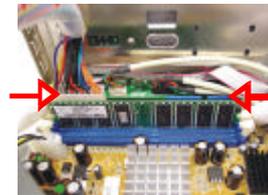
1. Unlock the DIMM latch.  
將 DIMM 兩側卡榫向外扳開。



2. Plug DDR module into the DIMM slot and lock the latch.  
安插 DDR 於插槽上，並確認方向是否有誤。



3. Check if the DDR module is well installed.  
檢查 DIMM 兩側卡榫是否已完全定位。



## 2.5 Install Cables And Rack / 安裝排線及支架

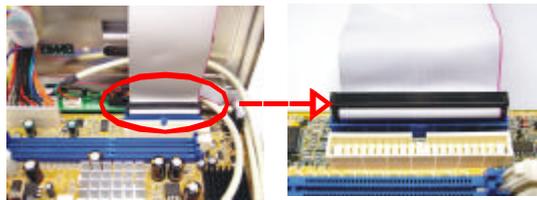
### 2.5.1 Install HDD Cable / 安裝硬碟排線

1. HDD cable.  
硬碟排線。



2. Plug HDD cable to the IDE 1 connector. Place the other side of HDD cable as picture shows.

安裝排線於主機板的 IDE 連接埠口 (IDE1)，將排線另一端置系統機殼上緣，以利光碟機 (IDE2) 排線的安裝。

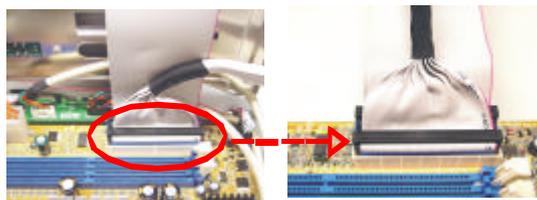


### 2.5.2 Install CD-ROM Cable / 安裝光碟機排線

1. CD-ROM cable.  
光碟機排線。



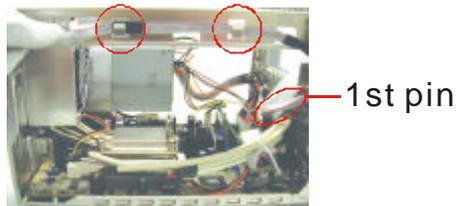
2. Plug the cable to the IDE 2 connector.  
安裝排線於主機板上的 IDE2 連接埠口。



**Note:** Remember to locate IDE 2 cable under USB / IEEE1394 cables.

**注意：**IDE2 排線應於 I/O USB 線材下方穿入。

3. Follow the picture to secure the cable to the chassis.  
將排線嵌入磁架側方的定位夾，以固定排線(排線固定方式如下所示)。



**Note:** Please leave the red line (1st pin) close to front panel.

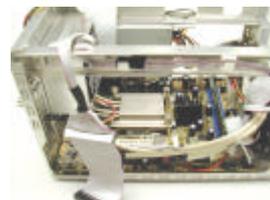
**注意：** 排線第一 pin(即有紅色印字面為第一 pin)面向面板。

4. Let the cable through the reserved hole.  
將排線穿過磁架定位孔。

the reserved hole/  
定位孔



5. Leave the cable as picture shows.  
穿過定位孔後，將排線按右圖方式擺放。



### 2.5.3 Install Rack / 安裝支架

1. Place CD-ROM, FDD & HDD on the rack.  
安裝光碟機，軟碟機與硬碟於支架。

螺絲 1  
(FDD / CD-ROM)

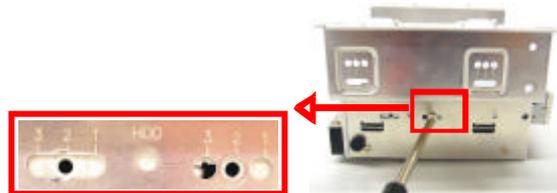
螺絲 2  
(HDD)



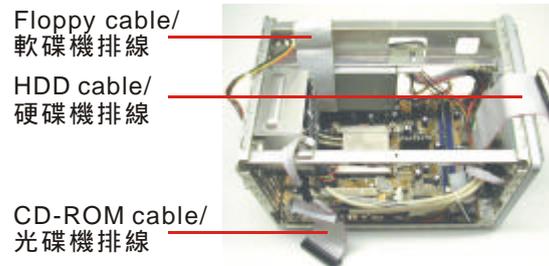
- 
2. Tighten all the devices with their own screws.  
鎖上螺絲，將光碟機、軟碟機與硬碟固定於支架上。



3. Please tighten the screws on the standard line to make sure that FDD/CD-ROM will be in the same level with front panel.  
為確保軟 / 光碟機安裝後能對齊面板，請按照右圖中之標準線鎖上軟 / 光碟機。



4. Leave the cable as picture shows to make installing rack much easier.  
參照右圖，將排線向外拉出，並將電源線預先安裝於散熱裝置旁，以利硬碟及軟碟機安裝。



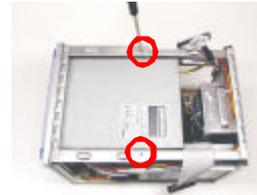
**Note:** Please keep the cable identical or inner to the Rack, just to avoid cable damaged when chassis close.

**注意：**請將排線緊貼於支架，以避免關閉上蓋時，造成排線受損。

- 
5. Put the rack into the chassis.  
連同光 / 軟碟機與硬碟，將支架安裝入系統機殼內。



6. Tighten the rack with 2 screws.  
對齊螺絲孔位後，鎖上兩顆螺絲以固定支架。

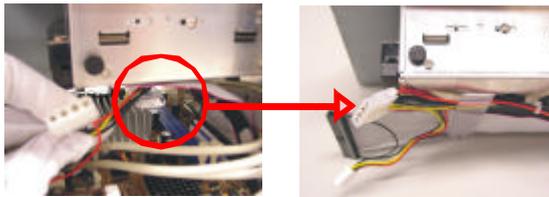


## 2.6 Install Peripherals / 安裝周邊裝置

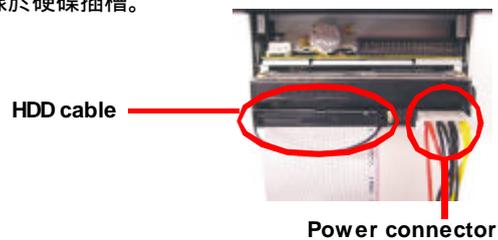
1. Put HDD cable in the rack clip.  
拉出並固定硬碟排線於支架下方固定夾。



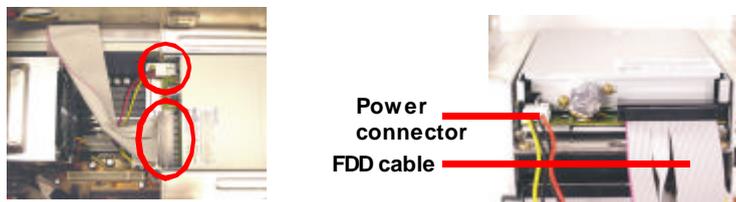
2. Put HDD power connector in the rack Clip.  
拉出並固定硬碟電源線於支架下方固定夾。



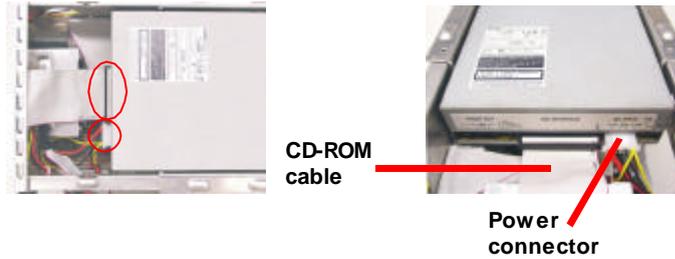
3. Connect HDD power connector and cable to the HDD.  
安裝硬碟電源線及硬碟排線於硬碟插槽。



4. Connect FDD Power connector and cable to the FDD.  
安裝軟碟機電源線及排線於軟碟機插槽。



- 
5. Plug IDE cable and power connector to CD-ROM.  
安裝排線與電源線於光碟機插槽。



**Note:** Remember to minimize the IDE cable and secure it with when fabricate the CD-ROM cable.

**注意：**組裝光碟機時，線材長度應自行整理至最短，並用束線帶固定之，以免影響系統運作。

## 2.7 Install Accessories / 安裝附件

### 2.7.1 Install front feet / 安裝造形前腳座

1. Take out 2 front feet from accessory box.  
從零件盒中取出前腳座 2 顆。



2. Tighten front feet to base of chassis.  
並固定於機殼底座。



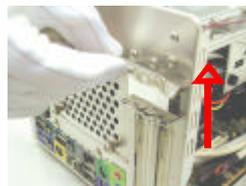
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### 2.7.2 Install AGP/PCI Card / 安裝 AGP/PCI 介面卡

1. Take AGP Card for example to install expansion card.  
以 AGP 卡為例，說明擴充卡之安裝步驟。

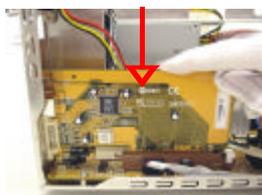


2. Remove 2 screws from back panel bracket and lift up AGP/PCI door.  
先鬆開 2 顆背面擋板螺絲，並扳開 AGP/PCI 閘門。



PCI

3. Install AGP Card into AGP slot and tighten it with screws.  
插入 AGP 介面卡於 AGP 插槽，鎖上 AGP/PCI 閘門背板螺絲。

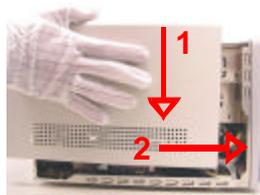


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## 2.8 Complete / 完成組裝

### 2.8.1 Close the Chassis Cover / 安裝機殼上蓋

1. Shut the cover and tighten it with screws.  
固定機殼上蓋，並鎖上背板固定螺絲。



### 2.8.2 Complete / 組裝完成

