


Shuttle ST61G4 XPC

Q1	How do I install a SATA hard drive on the ST61G4?
A1	<p>To install a SATA hard drive on the ST61G4, a floppy drive and floppy disk with the correct RAID driver is essential.</p> <p>Before you start you need to do the following:</p> <ol style="list-style-type: none">1. Insert the mainboard driver CD into your CD-ROM.2. Copy all files in RAID directory (D:\silicon\RAID) to a floppy disk. (Current CD driver is in Drive D)3. Using the floppy disk in the installation procedure as follows. <p>Go into the BIOS setting to enable; Drive A, Onboard FDC Controller and Sil3512A SATA Raid ROM.</p>  <p>Enable Drive A</p>

Phoenix - AwardBIOS CMOS Setup Utility
Onboard SuperIO Device

Onboard FDC Controller [Enabled] Onboard Serial Port 1 [3F8/IRQ4] Onboard Infrared Port [Disabled] UART Mode Select [IrDA] UR2 Duplex Mode [Half] Onboard Parallel Port [378/IRQ7] Parallel Port Mode [SPP] ECP Mode Use DMA [3]	Item Help <hr/> Menu Level ▶▶
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↑|←:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help
 F5: Previous Values F6: Fail-Safe Defaults F7: Optimized Defaults

Enable Onboard FDC Controller

Phoenix - AwardBIOS CMOS Setup Utility
Onboard PCI Device

Init Display First [PCI slot] OnChip USB [V1.1+V2.0] USB Keyboard Support [Enabled] SiI3512A SATA Raid ROM [Enabled] OnChip Audio [Auto] onchip 10/100 Mbps Lan [Auto]	Item Help <hr/> Menu Level ▶▶ Decide whether to invoke the ROM of the onboard Raid chip
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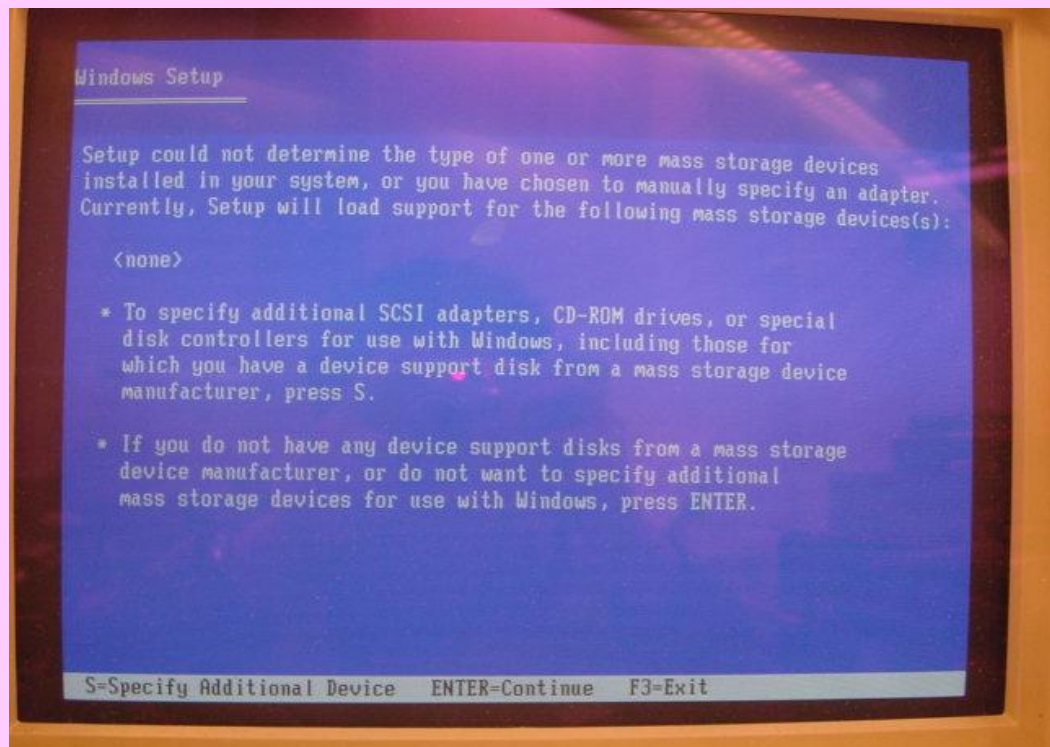
↑|←:Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help
 F5: Previous Values F6: Fail-Safe Defaults F7: Optimized Defaults

Enable SiI3512A SATA Support

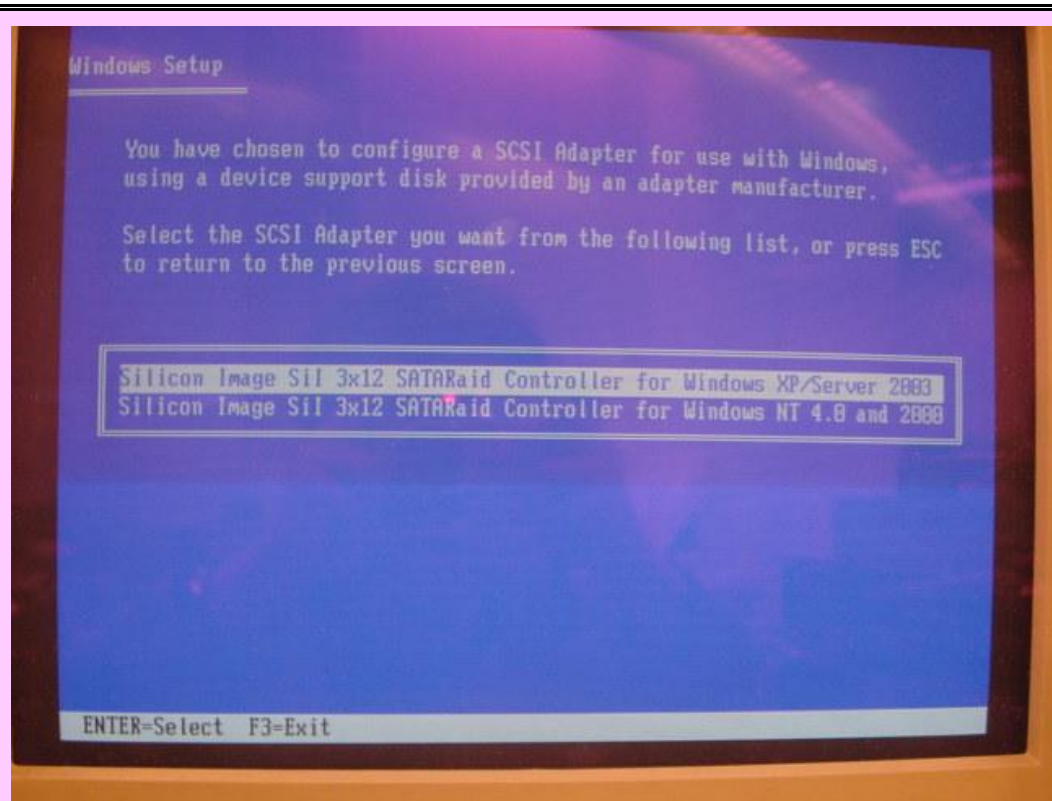
Installing Windows



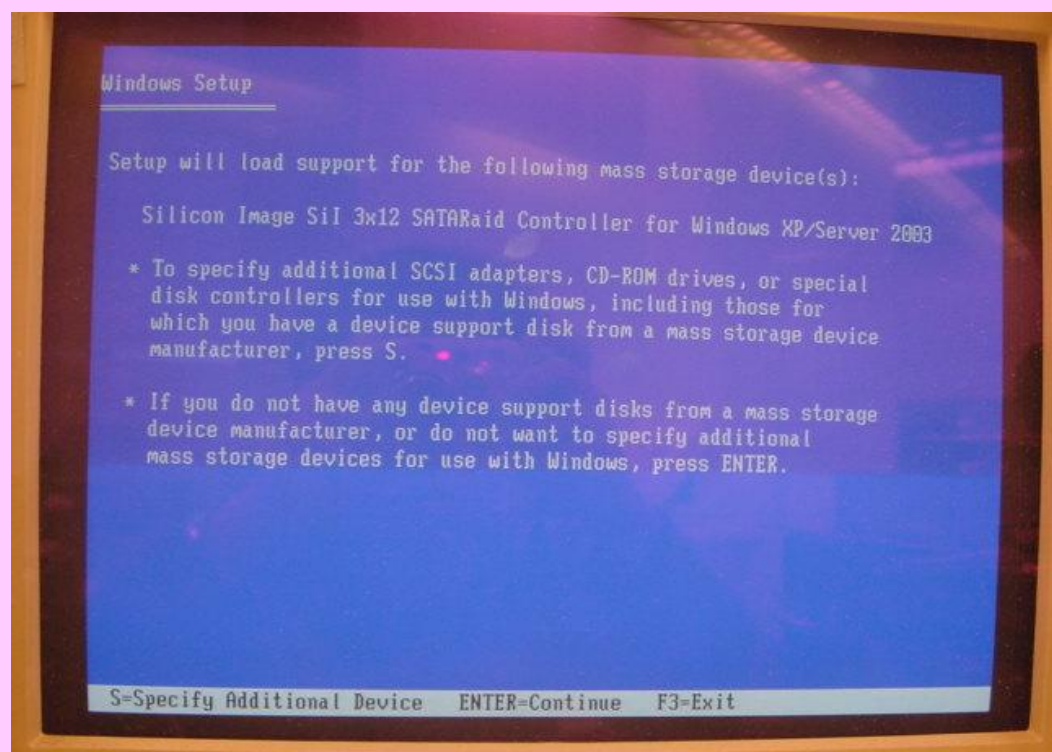
Press F6 function key when RAID setup message string come up.




Press S key to select RAID driver.



Select the driver for your operating system.



After the driver is selected. Press Enter to continue installing Windows.

Q2	What's the different between Automatic, Manual Online and Manual Offline settings for RAID1 in RAID Configuration Utility?																					
A2	<p>This is an application note for customers who want to configure a Raid 1 mirror using any Silicon Image storage product on a system with an existing OS and file system installed on their machine.</p> <p>The "auto configuration" utility provided in our software is intended for users who are going to format the drive or do a fresh installation. When using this auto-configuration, the BIOS will only mark both drives as Raid 1 and identical without copying the data.</p> <p>The "Manual Online" utility provide in RAID Configuration Utility is intended to scan and copy the difference of data in the background of operating system.</p> <p>The "Manual Offline" utility provide in RAID Configuration Utility is intend to rebuild RAIDSet manually.</p> <p>More information can be found at http://www.siliconimage.com/home.asp</p>																					
Q3	Why won't my operating system install onto the C: Drive?																					
A3	<p>This could be due to the internal card reader using the "C" drive title (and D, E F). Since the card reader is pre-installed, it has automatically been allocated the first 4 letters (starting from C). Try these solutions to install your operating system onto the C drive and avoid such issues:</p> <ol style="list-style-type: none"> 1. Remove the card reader cable before install operating system. 2. Disable onboard USB controller before install operation system.  <p>The screenshot shows the BIOS setup utility with the following settings:</p> <table border="1"> <thead> <tr> <th>Item</th> <th>Value</th> <th>Item Help</th> </tr> </thead> <tbody> <tr> <td>Init Display First</td> <td>[PCI Slot]</td> <td></td> </tr> <tr> <td>OnChip USB</td> <td>Disabled</td> <td></td> </tr> <tr> <td>x USB Keyboard Support</td> <td>Enabled</td> <td>Menu Level ▶▶</td> </tr> <tr> <td>SiI3512A SATA Raid ROM</td> <td>[Enabled]</td> <td></td> </tr> <tr> <td>OnChip Audio</td> <td>[Auto]</td> <td></td> </tr> <tr> <td>Onchip 10/100 Mbps Lan</td> <td>[Auto]</td> <td></td> </tr> </tbody> </table> <p>At the bottom of the screen, the following navigation options are listed:</p> <ul style="list-style-type: none"> --:Move Enter:Select +/-/PU/PD:Value F10:save ESC:Exit F1:General Help F5: Previous Values F6: Fail-Safe Defaults F7: Optimized Defaults <ol style="list-style-type: none"> 3. Partition the hard drive before install operating system. 	Item	Value	Item Help	Init Display First	[PCI Slot]		OnChip USB	Disabled		x USB Keyboard Support	Enabled	Menu Level ▶▶	SiI3512A SATA Raid ROM	[Enabled]		OnChip Audio	[Auto]		Onchip 10/100 Mbps Lan	[Auto]	
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