



 *Acer Altos G520 Installation Guide*  
 *for ISS45 V8 with*  
 *Windows 2003 Server*  
 *SQL 2000*



## Acer Altos G520 Installation Guide

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# TABLE of CONTENTS

0.	Document Control.....	b
0.1.	Distribution List — As per manuals .....	b
0.2.	Changes Forecast .....	b
0.3.	Change History .....	b
1.	Windows Server 2003 Installation.....	1
1.1.	Starting the Acer G520 for the First Time .....	1
1.2.	Using Acer easyBUILD to Rebuild the Acer G520 if Needed .....	2
1.3.	Windows Setup .....	3
1.4.	Partitioning for Drive D .....	4
2.	Adding the Combo I/O Card.....	4
2.1.	Hardware Installation and Setup .....	4
3.	Loading the LSI Power Console Plus Software.....	5
3.1.	Power Console Installation .....	5
4.	SQL Server 2000 Installation.....	6
4.1.	SQL Installation .....	6
4.2.	SQL Server 2000 SP3a Installation .....	7
4.3.	Register SQL Server .....	8
5.	Managing Your Server.....	8
5.1.	Starting Manage Your Server .....	8
6.	Go to the ISS45 Application Documentation for completing Server Installation .....	9

## 0. Document Control

0.1. Distribution List — As per manuals

0.2. Changes Forecast

This document will be updated as new configurations and corrections are made available

0.3. Change History

Issue 1: This is the initial release of this document.

**Note: The G520 is the first ACER product that dropped the support for the parallel connection. Your shipment should include a StarTech Combo I/O card (PCI2S1P) that will need to be installed after the initial software setup is complete. DO NOT put this card in the unit at this time.**

## 1. Windows Server 2003 Installation

CD's shipping with the G520

- Acer EasyBuild v6.0 P/N: SR.R1209.001
  - Management CD v.6.0 Build 400
  - System CD v.6.0 Build 400
  - Resource CD v.6.0 Build 400
  - Utilities and Manual CD v.6.0 Build 400
- LSILOGIC MegaRAID Universal Software Suite Part#: 70-00314-01 Rev B  
**Note: This software ships with the G520 but is not to be used. Acer supplies the version tested with the G520 in the EasyBuild pack**
- Microsoft Windows Server 2003 Standard Edition

### 1.1. Starting the Acer G520 for the First Time

**Note: The ACER comes preloaded with Windows Server 2003 Standard Edition. The machine should come partitioned for 70G on C and 70G on D drive**

- 1.1.1. Connect the PC keyboard, mouse, monitor, network cable and power supply cable on the G520
- 1.1.2. Power on the G520 Raid Server using the front power button behind the locked door
- 1.1.3. You will see the following messages on the screen during power up
  - ESC for diagnostic messages, F2 setup, F12 network boot setup
- 1.1.4. Windows Server 2003 Standard Setup runs at this point for the first time
- 1.1.5. Windows runs then restarts computer
- 1.1.6. Windows reboots after fat32 to NTFS conversion
- 1.1.7. Windows continues installing
- 1.1.8. Windows reboots
- 1.1.9. Acer installs and does a sysprep then reboots again
- 1.1.10. Windows setup utility shows on the Monitor Click NEXT
- 1.1.11. Windows License agreement shows on the Monitor
  - Accept this agreement then NEXT
- 1.1.12. The Regional and Language options screen shows on the Monitor
  - Click NEXT
- 1.1.13. The Personalize your software screen shows on the Monitor
  - Key in the Name and Organization and Click NEXT
- 1.1.14. Your Product Key screen shows on the Monitor
  - Input the Product Key from the side of the ACER G520 and click NEXT

- 1.1.15. Licensing Modes Screen appears
  - Key in the number of concurrent connections purchased in the Per server box and select Next. (Default is 5)
- 1.1.16. Computer Name and Admin Password screen shows on the Monitor
  - Input the information Click NEXT
- 1.1.17. Network installs automatically and system restarts
- 1.1.18. The Windows Signon screen appears
  - Signon as the Administrator to continue setting up the Computer.
- 1.1.19. Manage Your Server screen appears
  - Close the box by clicking the x in the top right corner of the screen

**Note: The minimum recommendation is to set up your Server as a File Server (This example will be done later in this procedure)**
- 1.1.20. ICON 30 days to activate windows will show indicating the need to activate the Windows software.

**Note: You have 30 days to activate this software with Microsoft**

## 1.2. Using Acer easyBUILD to Rebuild the Acer G520 if Needed

**Note: Using EasyBUILD may be required if ACER used all the partition of the disk for one drive**

- 1.2.1. The first step is to change the boot order in the BIOS
  - Reboot the server and press F2 to enter the BIOS configuration
  - Set 1<sup>st</sup> Floppy Drive, 2<sup>nd</sup> CD-ROM and 3<sup>rd</sup> RAID
- 1.2.2. Insert the EasyBUILD system CD into the CD-ROM drive and reboot the system
- 1.2.3. At the opening screen click on the right arrow
- 1.2.4. Click on English
- 1.2.5. Accept the agreement by clicking the check mark
- 1.2.6. System configuration screen appears
- 1.2.7. Click on the right arrow (next)
- 1.2.8. Select OS Microsoft Windows Server 2003 Standard Edition
- 1.2.9. Read the Notice message and click on the right arrow (Next)
- 1.2.10. Fill in the information for Windows Server 2003
  - Language/Target Path/Full Name/Company Name/Computer Name/Admin Password/Confirm Password/CD-Key/Time Zone and click on the right arrow (Next)
- 1.2.11. Fill in the information for Workgroup
  - Add into Workgroup/Workgroup name/License Mode: Per server/User count: Default is 5 and click on the right arrow (Next)
- 1.2.12. Setup Network information
  - TCP/IP/IP info/DNS if required/WINS if required and click on the right arrow (Next)
- 1.2.13. Storage screen
  - Allocate disk space by clicking in the Partition size box
  - Key in 70000 MB for one partition which should leave half the disk available later for drive D:

- Click on the right arrow (Next)
- 1.2.14. At the IIS screen, uncheck the box for Internet Information services and click on the right arrow (Next)
- 1.2.15. Review the confirmation screen and click the check mark (Finish)
- 1.2.16. A popup is shown indicating that the hard disk will be formatted. Click OK
- 1.2.17. The (Are you sure?) message pops up. Click OK
- 1.2.18. After the disk is formatted a popup asking if you want to install Windows Server 2003 right now. Click on Yes
- 1.2.19. A message to remove easyBUILD CD when ejected pops up click on OK
- 1.2.20. When the system restarts and comes back up it will open the CD tray
- 1.2.21. A message to insert the Windows Server 2003 CD and Press Enter is displayed
- 1.2.22. After the system copies files a message to remove the CD and Press Enter is displayed
- 1.2.23. The system Restarts and starts Setup
- 1.2.24. The system Restarts after installation complete
- 1.2.25. The Windows Signon screen appears
  - Signon as the Administrator to continue setting up the Computer.
- 1.2.26. Manage Your Server screen appears
  - Close the box by clicking the x in the top right corner of the screen

**Note: The minimum recommendation is to set up your Server as a File Server (This example will be done later in this procedure)**
- 1.2.27. ICON 30 days to activate windows will show indicating the need to activate the Windows software.
 

**Note: You have 30 days to activate this software with Microsoft.**

### 1.3. Windows Setup

#### 1.3.1. SETUP THE WORKGROUP

- 1.3.1.1. Click Start / Control Panel / System
- 1.3.1.2. Click the Computer Name Tab
- 1.3.1.3. Give your computer a description then click the Change button
- 1.3.1.4. Check the Computer name and change if required
- 1.3.1.5. Check the member of Workgroup and change the name of the workgroup if required
- 1.3.1.6. Click OK or Cancel depending on your input above
- 1.3.1.7. Click the OK on the System Properties screen to close and exit

#### 1.3.2. SETUP NETWORK

- 1.3.2.1. Click Start / Control Panel / Network Connections / Local Area Connection
- 1.3.2.2. Setup your IP address for TCP/IP

### 1.3.3. SETUP DISPLAY RESOLUTION

- 1.3.3.1.Start / Control Panel / Display
- 1.3.3.2.Settings Tab
- 1.3.3.3.Set the display to 800 by 600 Medium (16 bit)

## 1.4. Partitioning for Drive D

### 1.4.1. Using Disk Management

- 1.4.1.1.Start / Program Files / Administrative Tools / Computer Management
- 1.4.1.2.Click Disk Management
- 1.4.1.3.Right Click CD ROM 0 and edit to change it's drive letter to z: (this is just a suggestion since it is installed as drive D:)
- 1.4.1.4.Right click the unallocated space (approx. 70GB) and then New Partition
- 1.4.1.5.The Wizard starts up
- 1.4.1.6.Click on Primary partition and Next
- 1.4.1.7.Select the size of the D: drive you want. (70GB is used in this example)
- 1.4.1.8.Click Next
- 1.4.1.9.Assign Drive letter D: and click Next
- 1.4.1.10. Format the partition with NTFS and select Next
- 1.4.1.11. Click Finish and format starts

**Note: Install Windows Server 2003 Service Pack 1**

**Note: Update all critical fixes from Microsoft. During the writing of this procedure there were 26 available**

**Note: If you are connecting to the Internet, Virus Protection is suggested for your protection**

## 2. Adding the Combo I/O Card

### 2.1. Hardware Installation and Setup

- 2.1.1. Shutdown windows and unplug the power cord and network cable
- 2.1.2. Install the Combo I/O card into the G520 but DO NOT attach the printer or HASP plug at this time
- 2.1.3. Plug the power cord and network cable back into the G520 and power up the G520
- 2.1.4. Welcome to the found new hardware wizard (This indicates that the combo I/O board was found)
- 2.1.5. Select no not this time to check windows update (Next)

- 2.1.6. Put the Vendor's CD shipping with the Combo I/O card into the CD ROM and it will load the first driver automatically
- 2.1.7. Welcome to the found new hardware wizard (Windows discovered the Parallel connection)
- 2.1.8. Select no not this time to check windows update (Next)
- 2.1.9. Install from a list or specific location (Advanced)
- 2.1.10. Bullet on Search the best driver in these locations
- 2.1.11. Check box include this location in the search
- 2.1.12. CD ROM\WinXP
- 2.1.13. Welcome to the found new hardware wizard (Windows discovered the first Serial connection)
- 2.1.14. Select no not this time to check windows update (Next)
- 2.1.15. Install from a list or specific location (Advanced)
- 2.1.16. Bullet on Search the best driver in these locations
- 2.1.17. Check box include this location in the search
- 2.1.18. CD ROM\WinXP
- 2.1.19. Welcome to the found new hardware wizard (Windows discovered the second Serial connection)
- 2.1.20. Select no not this time to check windows update (Next)
- 2.1.21. Install from a list or specific location (Advanced)
- 2.1.22. Bullet on Search the best driver in these locations
- 2.1.23. Check box include this location in the search
- 2.1.24. CD ROM\WinXP
- 2.1.25. The installation of the Combo I/O card is complete at this point
- 2.1.26. The default installation of the combo I/O board adds the parallel port as 3
- 2.1.27. Change the parallel LPT port to #1
  - Device Manager
  - Ports (COM & LPT)
  - Double click LPT3
  - Port Settings TAB
  - Never use an interrupt is the default
  - Enable Legacy and plug and play detection not checked is the default
  - Change the dropdown from LPT3 (Default) to LPT1
  - Click OK to save
  - Exit the screen
- 2.1.28. Restart the computer

### **3. Loading the LSI Power Console Plus Software**

#### **3.1. Power Console Installation**

- 3.1.1. Insert the Utilities and Manual CD v.6.0 Build 400 from the Acer EasyBUILD set in the CD ROM.
- 3.1.2. The License Agreement screen appears. Select Accept.
- 3.1.3. Select the Altos Server Applications button

- 3.1.4. Open the Altos Server Utilities folder
- 3.1.5. Open the LSI MegaRAID SCSI 320 Card folder
- 3.1.6. Highlight the Power Console Plus for Windows NT/2000/2003
- 3.1.7. Click the Setup ICON button on the bottom of the screen
- 3.1.8. Click next at the welcome screen
- 3.1.9. The next screen indicates the types of installation
- 3.1.10. Click Next
- 3.1.11. The custom setup screen appears
  - Note: For minimum management of the Raid adapter**
  - 3.1.11.1. Click on MegaRAID Client
  - 3.1.11.2. Select this feature, and all sub features, will be installed on local hard drive
  - 3.1.11.3. Click Next then Install
  - 3.1.11.4. Click Finish and close the ACER CD
  - 3.1.11.5. The program is installed under Start / All Programs / Power Console Plus / Launch Client

## 4. SQL Server 2000 Installation

### 4.1. SQL Installation

- 4.1.1. Insert SQL Server 2000 CD in CD-ROM Drive (autorun)
- 4.1.2. At *SQL Server 2000* screen click *SQL SERVER 2000 Components*
- 4.1.3. At next screen click *INSTALL DATABASE SERVER* (wait 30 sec)
- Note: The next screen that may pop up shows that SQL Server 2000 sp2 and below is not supported by this version of Windows**
- 4.1.4. Click Continue to run the installation program. (SP3a will be applied for Windows Server 2003 support later in this document)
- 4.1.5. At Welcome click NEXT
- 4.1.6. At Computer Name put • Local Computer, click NEXT
- 4.1.7. At Installation Selection put • Create a new instance..., click NEXT
- 4.1.8. At User Information key in Name and Company, click NEXT
- 4.1.9. At Software License Agreement click YES to confirm
- 4.1.10. If required at CD-Key, key in 25 char. ID, click NEXT
- 4.1.11. At Installation Definition put • Server and Client Tools, click NEXT
- 4.1.12. At Instance Name put ✓ Default, click NEXT
- 4.1.13. At Setup Type, put • on Custom Install
- 4.1.14. Change destination folders for both Program and Data files:
- 4.1.15. At **EACH** path click Browse, change C:\PROG... to **D:\**, clickOK
- Note: This process creates the directory D:\MSSQL**
- 4.1.16. then at *Setup* Type click *NEXT*
- 4.1.17. At *Select Components* click *NEXT*
- 4.1.18. At *Services Accounts* put • Customize settings
  - 4.1.18.1. In *Services* put • SQL Server
    - 4.1.18.1.1. In *Service Settings* put • Use a Domain User account
    - 4.1.18.1.2. In Username: key **Administrator** (or accept default)

- 4.1.18.1.3. In Password: key (**this is your administrators password**)
- 4.1.18.1.4. In Domain: key (**server name**) (or accept default)
- 4.1.18.1.5. Put  Auto Start Service
- 4.1.18.2. In *Services* put • SQL Server Agent
  - 4.1.18.2.1. In *Service Settings* put • Use a Domain User account
  - 4.1.18.2.2. In Username: key **Administrator** (or accept default)
  - 4.1.18.2.3. In Password: key (**this is your administrators password**)
  - 4.1.18.2.4. In Domain: key (**server name**) (or accept default)
  - 4.1.18.2.5. Put  Auto Start Service, click *NEXT*, at *Setup* click *OK*
- 4.1.18.3. Click *NEXT*
- 4.1.18.4. At *Authentication Mode* put • Mixed Mode, put  Blank Password, click *NEXT*
- 4.1.18.5. At *Collation Settings* put • SQL Collations
- 4.1.18.6. Highlight: **Binary order, for use with the 850(Multilingual) Character set**
- 4.1.18.7. Click *NEXT*
- 4.1.18.8. At *Network Libraries* remove  from TCP/IP Sockets, then click *NEXT*
- 4.1.18.9. At *Start Copying Files* click *NEXT*
- 4.1.18.10. At *Choose Licensing Mode*, in *Licensing Mode* put • per Seat,
- 4.1.18.11. key in your purchased licenses (example **5**) in device box, click *CONTINUE*
- 4.1.18.12. Installs programs (8-9 min)
- 4.1.18.13. Configures selections ( 2-3 min)
- 4.1.18.14. At *SetupComplete* click *FINISH* to exit
- 4.1.18.15. Remove CD then at Desktop reboot server

## 4.2. SQL Server 2000 SP3a Installation

- 4.2.1. Insert ISS45 Version 8 CD which contains SQL Server 2000 SP3a in CD-ROM drive
- 4.2.2. Locate the file sql2ksp3.exe on the CD (The file should be in the folder SQL2000SP3A)
- 4.2.3. Double click the file to run
- 4.2.4. This brings up a window asking where to extract the files
- 4.2.5. Use the default (C:\sql2ksp3) and select Finish
- Note: The specified output folder does not exist create it message appears**
- 4.2.6. Select Yes
- Note: The package has been delivered successfully message pops up**
- 4.2.7. Select OK
- Note: Run the SP3a upgrade by following the steps below**
- 4.2.8. Start / Run and browse to (C:\sql2k3\setup.bat)
- 4.2.9. Select Open
- 4.2.10. This selects the file and takes you back to the Run screen with the correct information displayed
- 4.2.11. Select OK

- 4.2.12. At *Welcome* click *NEXT*
- 4.2.13. At *Software License...*, click *YES*
- 4.2.14. At *Instance Name* leave ✓ Default, click *NEXT*
- 4.2.15. At *Connect to Server* put • *SQL Server Authentication...*, click *NEXT*
- 4.2.16. At *SA Password Warning Screen* put • Ignore the security threat warning, leave the password blank. Click *OK*
- 4.2.17. Check the box *Upgrade Microsoft Search and apply SQL Server 2000 SP3(required)*. Click *Continue*
- 4.2.18. At *error reporting* click *OK*
- 4.2.19. At *Start Copying Files* click *NEXT* (8-10 min.)
- 4.2.20. At the end of the upgrade, click *OK*
- 4.2.21. At *Setup Complete* screen, click *Finish*
- 4.2.22. Close any opened windows then at *Desktop* reboot server

### 4.3. Register SQL Server

- 4.3.1. **START / All PROGRAMS / Microsoft SQL SERVER / ENTERPRISE MANAGER**
- 4.3.2. In the left window, open *Microsoft SQL Server*
- 4.3.3. *In the left window, left click on SQL Server Group*
- 4.3.4. *In the right window, right click on the SQL Server (default name Local)*
- 4.3.5. *Edit SQL Server registration properties*
- 4.3.6. *On General screen, check the box for Use SQL Server authentication*
- 4.3.7. Login Name: key **sa**, leave password blank click *OK*
- Note: If you get: WARNING – The client and server codepages... click OK ,**
- 4.3.8. Exit Enterprise Manager
- 4.3.9. Restart the Computer

## 5. Managing Your Server

**Note: As stated earlier in this document, the minimum recommendation is to set up your Server as a File Server. The following steps perform this operation and share the Backup directory in the D:\MSSQL directory**

### 5.1. Starting Manage Your Server

- 5.1.1. Start / Administrative Tools / Manage your server
- 5.1.2. Click on Add or remove a role
- 5.1.3. Click Next at Preliminary steps
- 5.1.4. Place the bullet on custom configuration and click Next
- 5.1.5. Highlight File Server and click Next
- 5.1.6. Click Next at file server disk quotas
- 5.1.7. Click Next at file server indexing service accepting the default
- 5.1.8. Click Next and the share a folder wizard pops up
- 5.1.9. Browse and share D:\MSSQL\Backup folder
- 5.1.10. Click Next and Next again

5.1.11. Place the bullet on Administrators have full access; other users have read-only access

5.1.12. Click Finish

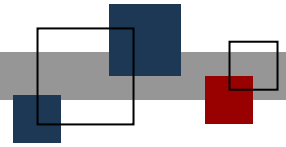
5.1.13. Click Close

5.1.14. Click Finish

## **6. Go to the ISS45 Application Documentation for completing Server Installation**







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