



**Intel® Server Board SE7505VB2**  
**SMBIOS Update Utility**  
User's Manual

*Revision 1.0*  
*April, 2003*



Revision History		
Date	Rev	Modifications
04/01/03	1.0	Initial Release

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## TABLE OF CONTENTS

<b>1</b>	<b>INTRODUCTION .....</b>	<b>1</b>
<b>2</b>	<b>ASSUMPTIONS .....</b>	<b>1</b>
<b>3</b>	<b>USING THE INTEL SERVER BOARD SE7505VB2 SMBIOS UPDATE UTILITY .....</b>	<b>1</b>
3.1	WRITING SMBIOS VALUES .....	1
3.2	COMPARING SMBIOS VALUES .....	2
3.3	RESTORING SMBIOS VALUES.....	2
3.4	GETTING HELP .....	3

# 1 Introduction

The Intel® Server Board SE7505VB2 SMBIOS Update Utility allows users to customize the SMBIOS areas with their specific information. The utility allows for the following areas to be configured:

System Manufacturer Name  
System Serial Number  
System Version  
System Product Name  
Chassis Serial Number  
Chassis Version  
Chassis Asset Tag

# 2 Assumptions

It is assumed that the person using this manual is a qualified computer integrator and is familiar with Intel Server Board products. It is also assumed that the integrator is already familiar with the BIOS and SMBIOS functions and only needs instruction on how to use this specific utility.

For additional details on the SMBIOS specification, visit the SMBIOS website at: <http://www.dmtf.org/standards/bios.php>. The Intel Server Board SE7505VB2 supports SMBIOS revision 2.3.1.

# 3 Using the Intel Server Board SE7505VB2 SMBIOS Update Utility

The SMBIOS utility can be obtained from the Intel Customer Support website at <http://support.intel.com/support/motherboards/server>. Click on the SE7505VB2 server board and then on the Software and Drivers download link. The file will extract into two files, this manual and the SMBVB2.EXE.exe utility.

Create a bootable floppy diskette and add the SMBVB2.EXE.exe file to it. Boot the Intel Server Board SE7505VB2 based system to this diskette and follow the below instructions depending on which SMBIOS area you'd like to update.

**Table 1 – SMBVB2 commands**

<b>SMBIOS Area</b>	<b>Write</b>	<b>Compare</b>
System Manufacturer Name	SMBVB2 /WSM	SMBVB2 /CSM
System Serial Number	SMBVB2 /WSS	SMBVB2 /CSS
System Version	SMBVB2 /WSV	SMBVB2 /CSV
System Product Name	SMBVB2 /WSP	SMBVB2 /CSP
Chassis Serial Number	SMBVB2 /WCS	SMBVB2 /CCS
Chassis Version	SMBVB2 /WCV	SMBVB2 /CCV
Chassis Asset Tag	SMBVB2 /WAT	SMBVB2 /CAT
Undo last change to an SMBIOS area	SMBVB2 /RESTORE	
Help Screen	SMBVB2 /?	

## 3.1 Writing SMBIOS values

To perform a write command to a specific SMBIOS area, use the Table 1 above for the correct flag to use for the area you wish to update. For example, to write a new value to the System Manufacturer Area, type the following:

SMBVB2 /wsm

You will see the following prompt:

```
Backup smbios data to SMBVB2.bin...OK!  
Previous System Manufacture Name is "ZZZZZZZZ"  
Input New System Manufacture Name (Most 28 Character):
```

The new name can be any combination of upper or lower, numeric or special characters including spaces. Press Enter when ready to begin the programming. When you see the following:

```
Programming...OK!
```

You're done.

### **3.2 Comparing SMBIOS values**

To verify a value in the SMBIOS area, the tool allows the user to compare a value with one that is already programmed in any area. Refer to Table 1 above for the specific flag that corresponds to the area you wish to check. For example, to compare a System Manufacturer name with what is already programmed in the SMBIOS area, type the following:

SMBVB2 /csm

You will see the following message:

```
Input System Manufacture Name (for compare):
```

Type in the name, keeping in mind the name is case sensitive, and press enter. Depending on whether the string entered matches the string in the SMBIOS area or not, you'll see one of the following messages:

```
Compare...Match!  
Motherboard System Manufacture Name is [ZZZZZZZZ]
```

(Where ZZZZZZZZ is the string you entered)

Or

```
Compare...Mismatch!  
Motherboard System Manufacture Name is [YYYYYYYY]
```

(Where YYYYYYYY is the actual string that is in the SMBIOS area already)

### **3.3 Restoring SMBIOS values**

The SMBVB2.EXE utility also has a feature to allow users to restore, or undo, the most recent change to the SMBIOS information. Each time a change is made to an SMBIOS area, the old information is automatically saved in the SMBVB2.BIN file. If that information needs to be restored, the /restore flag can be used.

To perform a restore action, type the following immediately after making a change to an SMBIOS area:

SMBVB2 /restore

The following text will be displayed:

```
Restore Smbios data from smbvb2.bin !  
Programming...OK!
```

You have successfully undone the last change that was made. If you see the following text:

```
Open smbvb2.bin Fail!!
```

This means the smbvb2.bin file could not be found. This file is generated when a change is made to the SMBIOS area automatically. During the writing of a new value to the SMBIOS area, a message will appear on the screen telling the user if the creation of this file was successful (see section 3.1 Writing SMBIOS values above for details). Re-run the last write command to ensure this file gets created properly.

### 3.4 Getting Help

To bring up the help screen at any time to see the commands available, you can use the `/?` flag after the `SMBVB2` command or just simply type the `SMBVB2` command. The help screen looks like this:

```
Intel Server Board SE7505VB2 SMBIOS Update Utility           Ver:0.8  
Syntax: SMBVB2 Flag  
Available Flags:  
  /WSM or /CSM: Write   or Compare System Manufacturer Name(Ex:Intel)  
  /WSS or /CSS: Write   or Compare System Serial Number(Ex:1234567)  
  /WSV or /CSV: Write   or Compare System Version(Ex:A.01)  
  /WSP or /CSP: Write   or Compare System Product Name(Ex:SE7505VB2)  
  /WCS or /CCS: Write   or Compare Chassis Serial Number(Ex:1234567)  
  /WCV or /CCV: Write   or Compare Chassis Version(Ex:A01)  
  /WAT or /CAT: Write   or Compare Chassis Asset Tag(Ex:123456789)  
  /RESTORE      : Undo the most recent SMBIOS change made
```