Related Products	MicroSERVER M400/ HDD
Subject	OS-Setup via USB CD-ROM drive
Document Name	LINUX_usbcdE110.doc
Usage	

1. REVISION HISTORY

Date	Document Name	Subjects added, changed, deleted	Changed by
10-Nov-03	LINUX_usbcdE110.doc	Initial release of Application Note	D. Nusime

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3. INTRODUCTION

This document describes a way to install an Operating System via USB CD-ROM drive. Setting up an OS on a microSERVER with chassis is not a standard task hence connecting a standard CD-ROM drive isn't possible.

4. HARDWARE CERTIFICATION

To provide the installation guidance the following hardware and software was used:

Hardware:

- MicroSERVER M 400/ HDD
- FREECOM-Traveller II CD-ROM (USB CD-ROM drive)

Software:

- Linux SuSE Professionell 8.0

(Be aware that this kind of software setup must be supported by the operating system!)

5. LINUX SUSE SETUP

5.1. BIOS Setup

To start up up from an USB CD-ROM drive some changes in BIOS are required.

- Connect the USB CD-ROM Drive and start the system.
- Hit " F2 " to enter BIOS-Setup.
- Choose " Boot " and then " Boot device priority " and bring "Removable Devices" to the first and " CD-ROM Drive" to the seccond place. Now hit escape.
- Choose " Advanced", and in the line "I/O Device Configuration " hit enter.
- Make sure "Legacy USB Support " is enable.Save this settings and leave BIOS.

After completing these steps insert a bootable CD-ROM into the drive. The setup should boot from CD-ROM automatically.

5.2. System Setup

- During Bootprocess the error message " Could not find the SuSE Linux Installation CD. Activating manual setup program" will appear , just ignore it by pressing enter key.
- Choose your prefered language.
- On the next step select the Key-map you like to use.
- Because the installlation occuor from USB CD-ROM, a appropiate Memory Technology Driver has to be installed manually to ensure further access to the CD-ROM drive. In main menue choose "Kernel-Module (Hardware Driver)" and hit enter.
  - Select "Load USB-Driver" and choose " usb-storage: USB Mass Storage Device Driver" from list.
  - The window "Please choose parameter" will apear. Ignore it by pressing enter.
  - Go back to the main menue.
- Start the installation system by choosing " Start/ Installation/ System/ ", select „ start /Installation/ update“ and choose on next step “ CD-ROM “.

- Please choose your language.
- Confirm Driver activation “ lvm-mod “ by pressing enter.
- Change in menue option " Partitioning " the size from partition " /dev/hda2 ". We suggest 2 GB.
- In main menue choose " Software " and select " Standard System ".
- Take over this attitudes and start the installation.