

Tisio 96 OS installation from USB boot stick

This procedure describes how to install Windows CE on the Tisio 96 DOM from a DOS base USB boot stick.

Requirements

The following is required.

1. One ThinPATH Systems Tisio USB RecoveryOS Boot Stick.
2. One Tisio 96 CE device.

Creating Tisio USB RecoveryOS Boot Stick

1. Download Tisio USB boot stick files and the BIOS update files from the following location.

<https://www.tp-sys.com/updates/tisio/Tisio-usb-stick.1.6.5.960.zip>
2. Download the OS recovery files from www.tp-sys.com > Support > Patches and Updates > Tisio Recovery images for CE, file [Tisio96CE_V1.6.1.1378.exe](#)
3. Download the “HP USB Disk Storage Tool”. Search Google for “HP USB Disk Storage Tool”, download and install it on a PC. Once downloaded installed, run the program. I am running Version 2.1.8 of this tool.
4. From the “HP USB Disk Storage Tool UI” Select create DOS boot startup disk and point to the files in the Tisio-usb-stick-1.6.5.960.zip image.
5. Once made, copy all files over to the USB stick that are in the Tisio-usb-stick-1.6.5.zip image.
6. From the extracted file Tisio96CE_V1.6.1.1378.exe Copy the two xpfam01.* files to the “os” directory on the USB stick. The USB stick is now ready to use.

Install CE OS on Tisio 96 from USB Boot stick

The procedure will use the Tisio USB RecoveryOS Boot Stick to boot to DOS prompt enabling the BIOS to be updated.

Configure Tisio 96 to boot from ThinPATH Systems Tisio USB RecoveryOS Stick.

- 1) Plug the Tisio USB RecoveryOS Boot Stick into the front of the Tisio 96 device.
- 2) Turn Tisio device on and Press the “Delete” key when the first PC BIOS screen is displayed.
- 3) When the BIOS configuration screen is displayed, you may be required to enter a password; if so enter “diag” and press Enter.
- 4) Select Advanced BIOS Features from the BIOS Screen and press Enter.
- 5) Select “Hard Disk Boot Priority” and press Enter.
- 6) Press the + or – keys on the keypad to change the priority of the Hard Disk Boot Priority. The + key moves the item up one place in the list. Change the order as shown below.
 1. USB-HDD : KingstonDataTraveler 2 or what ever your USB device is.
 2. Ch0 M. : 128 MB ATA Flash Drive
 3. Bootable Add-in Cards
- 7) Press F10 to Save and Exit; next press Enter to save and reboot.
- 8) Reboot the device and wait for it to display the following menu.
 1. Partitioning...
 2. Format and Loading Operating System
 3. Recovery System (Update Only)
 4. DOS command prompt.Select [1,2,3,4]:
- 9) Next, go to the next section on “Installing the Tisio 96CE OS image” to the Flash memory.

Installing Tisio 96 CE OS image

- 1) On boot of the Tisio 96 device with the USB RecoveryOS Stick connected to the front of the Tisio 96 USB port, the Menu below will be displayed; if not follow the steps under **Configure Tisio PC to boot from ThinPATH Systems Tisio USB RecoveryOS Stick** above.
 1. Partitioning...
 2. Format and Loading Operating System
 3. Recovery System (Update Only)
 4. DOS command prompt.Select [1,2,3,4]:
- 2) Press 1 to make partition 1 and 2 on the DOM.
- 3) Next wait for the device to automatically reboot and display the menu again listed above. This time select “**2. Format and Loading Operating System**” and wait for the next menu after Partition 1 is formatted and loaded with the RecoveryOS files.
 1. Install WinCE
 2. Install WinXPe
 3. Install Linux
 4. DOS command prompt.Select [1,2,3,4]:
- 4) Select “**1. Install WinCE**” and wait to the Image selection menu.

Please choose WinCE Image:

 1. CECLE01
 2. CECLE02
 3. CEPLE01
 4. CEAMD01 for T5117F
 5. DOS command prompt.
 6. RebootSelect [1,2,3,4,5,6]:
- 5) From the menu above select “**1 CECLE01**” to begin the installation of CE. This will write the CE image on to partition 2 of the DOM. While this is writing you will see activity (Fast Blinking) on the DOM, USB Boot stick, and the Tisio Disk activity LEDs.
- 6) When this completes you will be prompted with a message the installation was successful and to pres Ctrl-Alt-Del to reboot the Tisio 96. Remove the USB stick at this time.
- 7) Reboot the Tisio 96 and wait for the CE complete the installation of kits. This will take another 5 minutes.

- 8) The device will restart automatically restart and when it displays the Setup Wizard, select the Tisio 96 as the Model, and click next. To finish install.
- 9) License the Device - Reboot the Tisio 96CE device and press the ESC key on startup to get to the Grub menu.
- 10) Select Cloning, enter the password "volga" and wait till prompted to proceed with the GHOST for Linux. Press the Tab key then Enter to get to a Linux prompt.
- 11) Next at the Linux prompt, type `"/mnt/tps.sh lic"` to license the device. Type `reboot` to boot to Windows CE. When Windows CE starts again it should no longer indicate this is running an Evaluation License.