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Thank you for purchasing an HP T5300 Thin Client.

Technical Information

Booting:

The T5000 series thin clients utilize a PXE Bootrom and USB Keyboard and mouse. This requires the latest LTSP kernel package (ltsp_kernel- 3.0.13 or higher), which is available on the LTSP.org download page.

The filename entry in the dhcpd.conf file needs to point to the PXE Bootloader.
A typical configuration looks like this:

```
host ws001 {  
    hardware ethernet    00:E0:06:E8:00:84;  
    fixed-address        192.168.0.1;  
    filename             "/lts/2.4.24-ltsp-1/pxelinux.0";  
}
```

More information about using the LTSP PXE kernel is available at:

<http://www.ltsp.org/README.pxe>

Keyboard & Mouse:

The T5000 series workstations have a USB Keyboard and Mouse. If you are using LTSP (not K12ltsp*), then you will need to add entries to the /opt/ltsp/i386/etc/lts.conf file to load the USB kernel modules;

```
MODULE_01      = usb-uhci  
MODULE_02      = keybdev  
MODULE_03      = usbkbd  
MODULE_04      = mousedev  
MODULE_05      = usbmouse  
  
X_MOUSE_DEVICE = /dev/input/mice
```

*The K12ltsp distribution contains auto-detection of both the keyboard and the mouse, so the above entries are not required. We are working on auto-detection of usb devices for a future version of the LTSP kernel.

Video:

The T-5000 series utilizes ATI integrated video chipsets. This video chipset is supported by XFree86 and LTSP.

Because the ATI chipset is supported, that means that the proper Xserver can be automatically detected by setting the XSERVER parameter to 'auto' in the lts.conf file. (Default setting)

```
XSERVER          = auto
```

Audio:

The sound chipset in the HP T-5300 workstation is based on the Via audio chipset.

The following settings are required in the lts.conf file for sound:

```
SOUND            = Y
SOUND_DAEMON     = nasd
SMODULE_01       = soundcore
SMODULE_02       = ac97_codec
SMODULE_03       = via82cxxx_audio
```