

## Description of eCS-preloaded computers

*Blonde Guy computers are designed to run eComStation. People who run OS/2 and eComStation programs can buy a working computer without worrying about hardware compatibility or installing fixes, updates or general applications.*

*This session will discuss the Lenovo Thinkpad W500.*

**Edit: put the outline of the impress presentation here**

### Blonde Guy

#### Lenovo Thinkpad W500

This model was picked for its speedy Intel CPU.

Model: 4061-2KU

4 GB RAM

500 GB disk

New battery

New charger

New IBM Lenovo Thinkpad 43Y6461 802 A B G N Card

#### W500 Display

15 inch Screen 1920 x 1200 using Panorama Graphics version 1.04

The external monitor works after this:

PanoUtil -d 1 n:

PanoUtil -c 1920 1200

Panorama displays to LCD or to External monitor, but if the laptop is rebooted while displaying to the external monitor, then output will then be directed to the LCD screen. Bug # 13.

I updated the BIOS from 2.16 and EC from 1.01 to BIOS 3.23 and EC 10.6. The video now starts on external. On reboot it goes to internal LCD. On reboot it goes back to external.

Link to readme for BIOS update:

<http://download.lenovo.com/ibmdl/pub/pc/pccbbs/mobiles/6fuj46us.txt>

#### W500 Webcam

WebCam software shows capability with new USB drivers and capture program.

install usbhcd195 drivers.

install x230tc.zip which has usbecd.sys

Device=n:\os2\boot\usbecd.sys /D:17EF:4807:3134 /N:\$CHICON\$

running x200tc1.exe gives a snapshot.

I guess it's supposed to be video, but it freezes.

install usbhcd 11.05 drivers, webcam still freezes. I do sometimes see some video before the picture stops updating.

## W500 WiFi

This thinkpad came with an Intel 5300 WiFi card, but the new support is for the Intel 5100 WiFi card.

The GenMac unsupported Intel 5100 driver (8086:4237) does not work for the Intel 5300 (8086:4326)

Installed new WiFi, GenMac recognizes the card. The WiFi card is picky about the power settings. Intel SpeedStep must be enabled, then the Thinkpad must be powered down completely, then powered on. The latest changes in WPA\_Supplicant and XWLAN are required. The XWLAN properties must be set to Deactivate the radio on startup.

WiFi works on battery power only if BIOS is set to Power->Battery->Maximum Performance.

## W500 Defects

This Thinkpad easily Overheats when running CPU-intensive tasks.

While operating case closed, I rsync to backup the server. This heats up the computer until there is thermal shutdown. With OverTempPower set to 12%, rsync completes.

Short Battery Life related to battery setting needed for WiFi card.

## Lenovo M72e

PS/2 connectors

serial port

video support

audio support

Memory limited to 512M

no parallel port

## IBM xSeries x3200 M3

support for PCI serial cards

USB support

SATA support

**Edit: include the pictures here.**

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**Edit: put in other computers mentioned in impress presentation. (Goboep, Mustang)**

Build notes for Goboep

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used eCS 2.2 beta May 18 iso

512 MB limit

Fixed DOS Window as follows

Q: When I try to start a DOS or Win16 window, I get a popup message saying that the video mode is not supported. What do I do?

A: You can try two things:

1. Edit your CONFIG.SYS file and locate the line which loads VSVGA.SYS. Add the following switch to the end of the line:

```
/int10textgrfxsafe
```

You may also need to edit AUTOEXEC.BAT and add the following lines to the end of the file:

```
mode co80
```

```
cls
```