

Thank you for purchasing a LTSP Term 1220 PXE Thin Client!

The LTSP Term 1220 features a 1 GHz Via Eden V4 processor, 256mb of DDR2 and a graphics resolution up to 1600x1200.

NOTE: Because of the advanced graphics chipset, this unit **requires LTSP v4.2** or newer! See instructions below to install a custom VIA X server.

NOTE: Add the following option to the lts.conf file for each LTSP Term 1220 workstation to correct videoRAM detection. If you adjust the video ram in the BIOS set this value accordingly.

```
[wsXXX]  
X_VIDEORAM = 16384
```

Features:

- Supports up to 16-bit color at 1600 x 1200
- Supports attached local devices including printers, barcode scanners and more
- 10/100 Base-T Fast Ethernet
- USB 2.0
- Compact, Durable, Silent and low power consumption

Specifications:

Operating Software:

PXE Network Booting
LTSP Ready

CPU:

1 GHz Via Eden Processor

Memory:

256MB DDR2 SO-DIMM standard (1 GB max)

Display:

CN700 with Integrated AGP 8x Graphics Core
Shared System memory 8MB to 64MB
Maximum resolution 1600 X 1200, 60 Hz refresh, 16-bit high color
800 x 600 / up to 85 Hz/ 32 Bit
1024 x 768 / up to 85 Hz/ 32 Bit
1280 x 1024 / up to 85 Hz/ 32 Bit
Widescreen Resolutions:
1280 x 800 / up to 85 Hz/ 32 Bit
1440 x 900 / up to 85 Hz/ 32 Bit
1680 x 1050 / up to 85 Hz/ 32 Bit

Networking:

10/100 Base-T Realtek 8100C Fast Ethernet

I/O Connectors:

Winbond W83697HF (LPC)
One serial port, RS-232C compatible, DB9M connector, baud up to 115.2K bps
One parallel port, DB25F connector, bi-directional centronics-compatible and locally printable
Analog VGA video output, DB-15 connector
Four USB 2.0 ports (two at front, two at rear) for floppy disk drive, mouse, CD-ROM, hard-drive, etc.
Two PS/2 ports for mouse and keyboard
RTL 8100C+ 10/100 Mbps, one RJ-45 connector
One Power indicator (On front bezel)
Two Network adapter indicators (On rear panel)

LED Indicators:

Warranty:

One year from date of invoice.

Power Supply:

External, autosensing
Input: 100-240V @ 50~60Hz

Dimensions (L X W X H):

7.5" x 5.5" x 1.6", 190mm x 140mm x 40mm

Weight:

Unit 1.5 lbs, .7 kgs
Shipping 4.0 lbs, 1.7 kgs

Regulatory Compliance:

Emissions FCC Class B, TUV, UL/CUL, CE, BSMI, C-TICK, CB, VCCI

Temperature:

Operating: 41F~104F (5C~40C) Storage: -40F~140F (-40C~60C)

Humidity:

20% to 80% non-condensing
Operating altitude range from 0 to 10,000 feet (0 to 3050 meters)

VIA Chrome Custom X Server Instructions:

Download the following three files to your LTSP server from the following URL:

<http://www.disklessworkstations.com/cgi-bin/web/downloads/downloads.html>

```
ltsp-x-core-1.8-0-i386.tgz
ltsp-x-core-1.8-0-i386.ltsp
vidlist
```

Copy them to the /tmp directory on your LTSP server.

Change directory to /tmp and run the following command:

```
$ cat *.ltsp > packages.list
```

As root, run ltspadmin

```
# ltspadmin
```

Select "Configure the installer options"

Modify "Where to retrieve packages from?" to the following:

```
file:///tmp/
```

Press enter

Verify "In which directory would you like to place the LTSP client tree?" is correct for your installation.

Enter through the rest of the questions until "Correct? (y/n/c)" appears.

Press y if you are satisfied with your entries.

Select "Install/Update LTSP Packages"

Press "I" to select

```
[ ] ltsp_x_core          65136  Updates available
```

Press "Q" once the above package is selected.

Answer "y" to "Ready to install/update the selected LTSP packages? (y/n)" if you are ready to upgrade.

Copy vidlist to your LTSP tree. Assuming LTSP 4.2 is installed in the default location execute the following command:

```
# cp /tmp/vidlist /opt/ltsp-4.2/i386/etc/
```

Once these changes are complete reboot the workstation and the updated VIA video driver loads.