

# NEXTSTEP for Intel Processors

**Title:** The NEC Ultralite Versa

**Entry Number:** 1477

**Expiration of Certification:** April 2 1995

**Last Updated:** <<Date July 21 1995>>

## **Product Vendor:**

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**Keywords:** NEC, Versa, Portable, Ultralite, Laptop, PCMCIA

# Usage Commentary:

The NEC Ultralite Versa laptop provides integrated VGA with 640 x 480 2-bit grayscale under NEXTSTEP.

# Setup and Installation:

NEXTSTEP Releases 3.1 and 3.2 were successfully installed onto an NEC Ultralite Versa with the configuration outlined below. This information may be used as a troubleshooting aid by comparing your configuration settings to those that are known to work.

## Configuration Settings

### Auto Setup Summary

#### Main

System RAM:	12.00 MB
Current Extended RAM:	11.00 MB
Previous Extended RAM:	11.00 MB
Power Management:	High
Diskette Drive A:	1.44 MB - 3.5"
Diskette Drive B:	Not Installed
Hard Disk Drive 1:	BIOS Defined Type 32
Hard Disk Drive 2:	Not Installed

#### Communications Settings

Serial Port:	3F8h - 3FFh / IRQ4
Parallel Port:	378h - 37Fh / IRQ7
Parallel Port Mode:	Enhanced

#### Disk Drive Settings

Diskette Drive A:	1.44 MB - 3.5"
Diskette Drive B:	Not Installed
Hard Disk Drive 1:	BIOS Defined Type 32
Hard Disk Drive 2:	Not Installed
IDE Hard Disk Interface:	Internal Only
Diskette Boot:	Enable
PCMCIA Boot:	Disable

#### Keyboard Settings

Typematic Rate:	Maximum
NumLock Boot Status:	NumLock Off
System Password:	Disable

#### Power Management Options

Power Management:	High
System Suspend Mode:	Suspend / Resume
Automatic Save to Disk:	Disable
Slow CPU Speed when Idle:	Enable
Backlight:	Standard
Suspend Warning Tone:	Enable
Resume on Serial Port Ring:	Enable
Resume on Time of Day:	Disable

#### System Options

Quick Boot:	Enable
Cache Controller:	Enable

## Known Problems:

- During installation, you must eject the NEXTSTEP boot floppy after the kernel has been loaded (you'll see the screen refresh at this point, and afterwards you'll start to see messages describing the various probes the kernel is performing). The system will hang if you haven't ejected the floppy disk by the time the floppy drive is probed.
- You should activate the keyboard at the "`boot:`" prompt by pressing the Enter key. Failing to do so may result in boot problems.
- Sleep mode may affect the system clock (date/time).
- Some older Ultralite Versas do not recognize all of the memory in memory cards larger than 8MB. This can be fixed by downloading a new version of the BIOS from the NEC BBS. Call NEC technical support or read the Versa user's guide for more detailed information.