

NEXTSTEP for Intel Processors

Title: Lucky Goldstar WinNeXT System

Entry Number: 1207

Last Updated: <<Date June 13 1995>>

Product Vendor:

Lucky Goldstar International
4487 Technology Drive
Fremont CA 94538
USA

+1 (510) 657 2229 phone

+1 (510) 657 3339 fax

Keywords: LGI, WinNeXT, Lucky GoldStar, Wingine

Overview:

The Lucky Goldstar supports 1024 x 768 16 bit color under NEXTSTEP. In addition to six ISA slots the Lucky Goldstar provides a VESA localbus slot. The WinNeXT incorporates the Chips & Technologies Wingine video chipset and provides localbus comparable video performance.

Setup and Installation:

Use the ROM setup program to configure your WinNeXT. This program may be accessed by pressing <ctrl> <alt> <s> early in the boot process when prompted.

The Quality Assurance Group successfully installed NEXTSTEP Release 3.1 onto a Lucky Goldstar

WinNeXT with the configuration settings detailed below. This system was running off of an IDE hard disk.

Chips and Technologies, Inc. System Configuration Utility

STANDARD SETUP OPTIONS

Time : 23:48:18

Date : June 09, 1993

Processor : 486DX2

Coprocessor : 486DX2

Diskette A : 3.5 Inch, 1.44 MB

Diskette B : Not Installed

	Cyl	Hd	Pre	LZ	Sec	Size
Fixed Disk C :	1018	14	None	1018	62	431

Fixed Disk D : Not Installed

BIOS Found :

Base Memory : 640 KB 640 KB

Extended Memory : 31744 KB 31744 KB

Display : EGA or VGA

ADVANCED FEATURE CONTROL

Numlock : Off

Cache Initialization : Enabled

486 Cache : Enabled

DRAM Timing : 5-3-3-3 (33-40 MHz, Cache)

Shadow System BIOS : Enabled

Shadow Video BIOS : Enabled

Boot Device Order : A:, C:

Password : Disabled

TECHNICAL OPTION CONTROL

Dynamic Memory Sizing : Enabled

Block 0 DRAM Type : 256 KBit

Block 0 Bank Count : 1

Block 0 Start Address : 0 MB

Block 1 DRAM Type : Disabled

Block 1 Bank Count : 1
Block 1 Start Address : 0 MB
Block 2 DRAM Type : Disabled
Block 2 Bank Count : 1
Block 2 Start Address : 0 MB
Block 3 DRAM Type : Disabled
Block 3 Bank Count : 1
Block 3 Start Address : 0 MB
DRAM Decode Mode : 4-RAS mode
Block 0 Interleave : Disabled
Block 1 Interleave : Disabled
Block 2 Interleave : Disabled
Block 3 Interleave : Disabled
AT bus Clock Select : ATCLK
AT bus 16-bit cmd delays : 0
AT bus I/O cmd delays : 1
AT bus 16-bit Wait States : 1
AT bus 8-bit Wait States : 3
AT bus address hold time : 0
VRAM type : Split Transfer

CHIPSet REGISTER CONTROL

Idx B76543210
05 : 00000101
06 : 00101001
07 : 00001111
08 : 00000000
09 : 00000000
0A : 10110000
0B : 00010000
0C : 00000101
0D : 00000000
10 : 11000101
11 : 10000000
12 : 00000001

13 : 00000000
14 : 00000000
15 : 00000000
16 : 00000000
17 : 00000000
18 : 00000000
19 : 00000000
1A : 00000000
1B : 01000011
20 : 00000000
21 : 00000000
27 : 00100000
28 : 00000000
29 : 00000000
2A : 00000000
2B : 00000000
2C : 00000000
2D : 00000000
2E : 00000000
2F : 00000000
30 : 11111111
31 : 00000111
32 : 00000000
33 : 11111111
34 : 00000111
35 : 00000000
36 : 00000000
E2 : 00100000
E3 : 00010011
E4 : 00010000
E5 : 00000101

Known Problems:

Releases 3.1 and 3.2:

The WinNeXT, Logitech Bus Mouse and the current version of the installation software conflict. This problem results in the error "AHA timeout" and the system hanging during the boot process while probing for the CD-ROM drive. Remove the bus mouse and use a PS/2 mouse to work around this incompatibility. It can be reinstalled and will work correctly after software installation is finished.