



Enterprise Server Group

Intel NL440BX & T440BX UP Server

Supported Hardware/Operating Systems

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Revision History

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1 Supported Hardware/Operating System Testing

1.1 Overview

The selection of products in the following tables coincide with industry trends for the period of time the system was undergoing testing. As the market segment shifts, changes in testing procedure may occur including the addition of new equipment, updated versions of operating systems, or alterations in the configuration of product and operating system. This list, therefore, is subject to change in order to accommodate any updates and to clearly define testing.

To identify any potential problems, all Intel® platforms undergo rigorous testing using a selection of operating systems and adapter cards. These peripherals and operating systems have been chosen according to their high-level of acceptance within the industry and their ability to stress the system. The test suites performed on the system have been designed to validate data paths, chipset functionality, system functionality, device drivers, and operating system functionality and include tests developed by OS vendors, third-party developers, and Intel hardware and software engineering teams.

The NL440BX & T440BX Supported Hardware/Operating System list reflects the peripherals and operating systems that were evaluated through Intel internal testing of the NL440BX & T440BX UP Server product. This list has been compiled from the test suites of the Enterprise Server Group's Platform Validation Lab (PVL). The following key specifics define the Hardware/Operating System combinations evaluated and the level of evaluation. A blank box indicates that the Hardware/Operating System combination has not been evaluated in testing.

Level 1 Testing:

This represents a high-level of testing; involving many hours of continuous running with varying loads of stress placed on the server. Testing at this level involves an in-depth series of test suites, focusing on board set validation. The focus in level 1 testing is on the validation of onboard features and baseboard functionality with add-in equipment.

The systems are prepared with the complex configuration during this testing. The goal of this test is to stress the system at the highest level. All the PCI and ISA slots are filled with the SCSI/NIC adapters and six hard drives are used to run over ten different test suites. Multiple clients (minimum of thirteen) are connected to each NIC in the server and a minimum of 39 clients are connected to the whole system. Tests are run between 36 and 144 hours with varying loads placed on the server system using different test suites and performing different activities.

The peripherals utilized in Level 1 testing are noted in the following tables with the number "1", signifying that combination of hardware/operating system was tested under stress and operated with no failures during in-house testing.

Level 2 Testing:

Testing at this level is less intensive than at level one. The tests are shorter in duration, and focus is put utilizing a wide variety of add-in cards and hardware and verifying their functionality in the system. To encompass this quantity of hardware, testing time is limited. The duration of each Level 2 test is typically 8 hours. The peripherals utilized in Level 2 testing are noted in the following tables with the number "2", signifying that combination of hardware/operating system was tested and found to be functional.

In addition to the testing levels 1 and 2, a selection of products were tested on a basic level, noted in the following tables with the letter "T". This basic testing level includes installation of add-in cards and drivers under the indicated operating systems to ensure that the system can boot successfully using that specific configuration. Basic level testing does not incorporate any stress testing and is used only to determine compatibility. These items were not included in the validation summary for the product.

Note: A configuration that is said to pass during Intel's® testing procedures does not guarantee the test is repeatable. Many factors may affect the outcome of the test that are beyond our control. The smallest differences in the configuration including, but not limited to the hardware (hard drives, clients, etc.), software, firmware, operating system, installation, and test procedures, may affect the outcome of the test.

1.2 Supported Hardware/Operating System Configurations

Controllers, Video Cards, Fax/Modems, Sound Cards

	Solaris* v2.6.1 MP	NetWare* v3.12	Windows* 95 OSR 2.1	Windows NT* Server v4.0	NetWare* v4.11 SMP	OS/2 Warp Server v2.0	SCO UnixWare* 2.1.2	SCO OpenServer* v5.0.4	NetWare* SFT III
Controllers									
AMI MegaRAID 434				1	1		1		
Mylex DAC960PG				1	1		1		
AMI MegaRAID Express				1	1		1		
Symbios SYM22801				1	1		1		
Adaptec 3940AUW	T		2	1	1		1		
Adaptec 1510B				1	1		1		
Adaptec AHA-1540CP				1	1		1		
Mylex DAC 960 PD Ultra							2		
Adaptec AAA133			2						
Adaptec 2940UW step B1 1.32 bios						T			
DPT 3334UW			T						
PCI Video Adapters									
ATI All-in-Wonder Pro			T						
Diamond Stealth 3D 3000XL			T						
Matrox Millennium II			T						
Matrox Mystique 220			T						
AGP Video Adapters									
ATI Expert @ Work AGP			T						
Intel 740I Starfighter			2						
Video Grafixstar 560			T						
Hercules Dynamite 3D/GL			T						
Matrox Millennium II AGP 8m			T						
Number 9 Revolution 3D WRAM			T						
FAX/Modems									
Digiboard Intelligent Multiport PC8E			T						
U.S. Robotics Courier 56K Modem			T						
U.S. Robotics Sprotster 37.6K Modem			T						
Control Rocketport 8 port					T				
Hayes 56K Accura			T						
Sound Cards									
Sound Blaster AWE64 Value			T						

NOTE: 1 = Level 1 tested, 2 = Level 2 tested, and T= Tested for compatibility only. Not on the Validation Summary

Floppy Drives, Hard Drives, Tape Drives, CD-ROM Drives

	Solaris* v2.6.1 MP	NetWare* v3.12	Windows* 95 OSR 2.1	Windows NT* Server v4.0	NetWare* v4.11 SMP	OS/2 Warp Server v2.0	SCO UnixWare* 2.1.2	SCO OpenServer v5.0.4	NetWare* SFT III
Floppy Drives									
TEAC FD-235HG (3.5-in. 1.44MB Floppy)	T	T	T	T	T	T	T	T	T
Hard Drives									
IBM Ultrastar 2ES 32160						T			
Seagate ST34572W (Barracuda)				T					
Western Digital Caviar 21600	T	T			T	T		T	
Western Digital WDE9100			T			T			
Tape Drives									
HP C1528G SureStore DAT8I 8GB				T					
Sony SDT-9000			T						
CD-ROM Drives									
NEC CDR 1810a				T					
Toshiba XM-6201B				T					
Hitachi CDR-8130				T					
Hitachi CDR-8330	T	T	T	T	T	T	T	T	T
Sony CDU 511 – 11/10				T					

NOTE: 1 = Level 1 tested, 2 = Level 2 tested, and T= Tested for compatibility only. Not on the Validation Summary

Network Interface Cards

	Solaris* v2.6.1 MP	NetWare* v3.12	Windows* 95 OSR 2.1	Windows NT* Server 3.51	Windows NT* Server v4.0	NetWare* v4.11 SMP	OS/2 Warp Server v2.0	SCO UnixWare* 2.1.2	SCO OpenServer v5.0.4	NetWare* SFT III
Network Interface Cards										
3Com 3C905 TX					1	1		1		
Matrox Shark NS-100/4 Multiport					1	1		1		
Intel® EtherExpress PRO 100+ (PCI)					1	1		1		
Intel EtherExpress PRO 100Server (PCI)					1	1		1		
Intel EtherExpress PRO 10 + (ISA)					1	1		1		
Intel EtherExpress PRO 10 + (PCI)					1	1		1		
Intel EtherExpress PRO 100B (PCI)					1	1		1		
SMC 9332BDT					1	1		1		
SMC EtherPower 10/100 9432TX (PCI)				2		2				
IBM 25H3501 10/100 ISA					T					
IBM 3 port Token Ring					T					
Adaptec ANA-6944Aa TX						T				
Madge Smart 16/4 PCI Ringnode					2	2				
Olicom OC-3137					2	2				

NOTE: 1 = Level 1 tested, 2 = Level 2 tested, and T= Tested for compatibility only. Not on the Validation Summary

Peripherals

	Solaris* v2.6.1 MP	NetWare* v3.12	Windows* 95 OSR 2.1	Windows NT* Server v4.0	NetWare* v4.11 SMP	OS/2 Warp Server v2.0	SCO UnixWare* 2.1.2	SCO OpenServer v5.0.4	NetWare* SFT III
Printers									
Hewlett-Packard LaserJet 6MP C3982A			T						
Hewlett-Packard DeskJet 692P	T						T	T	
Keyboards									
Hi-Tek RT-101+	T						T	T	
Cirque Glidepoint Keyboard			T	T					
IBM KB-8923							T		
Microsoft* natural Keyboard			T	T					
NBM-RT6656T+		T		T	T				T
Mice									
Logitech M-CQ35 mouse	T			T			T	T	
Logitech PS/2 Cordless Mouse			T	T					
Logitech Trackman Marble Trackball			T	T					
Logitech M-S35						T			
Microsoft Ergo PS/2 Mouse			T	T					
Cameras									
Logitech USB Scanner			T						
Kodak USB Video Camera			T						
Intel USB Create and Share Camera			T						
Monitors									
ViewSonic 17GS	T					T	T		
MAG DX 1595		T			T				T
NEC MultiSync C500				T					

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