



Server Product Division
Intel[®] L440GX+ Server Board
Tested Hardware/OS List

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Introduction

Intel's Platform Validation Lab (PVL) validates that server platforms function in real-world environments by designing, conducting, and reporting the results of compatibility and stress testing procedures.

The following base hardware was used for test validation:

L440GX+ Server Board PBA# 704293-602 or AA# 721242-012
Intel® Pentium® III 850 MHz processor.
BMC firmware v1.09
Production BIOS 12
SSU Release 4, Rev. 1
Intel® Astor2 Server Chassis with HSC firmware v0.12.

Onboard components were used throughout testing unless otherwise stated.

The following operating systems were installed and run on the L440GX+ Server.

- Microsoft Windows NT[®] Server v4.0 Enterprise Edition
- Microsoft Windows[®] 2000 Professional
- Microsoft Windows v4.0J SP/4
- Novell NetWare[®] v5.1
- Novell NetWare v4.2
- Novell NetWare v5.0J
- SCO OpenServer[®] v5.0.5
- SCO UnixWare[®] v2.1.3
- SCO UnixWare v7.1

Pass/ Fail Criteria

Specific configurations may have had particular characteristics that were addressed on a case-by-case basis.

In general, a configuration passes testing if:

The operating system installed without error.

- Manufacturer's installation instructions or PVL Best Known Methods (BKM) were used.
- No extraordinary workarounds were required.
- The system behaved as expected during and after installation.
- Applications installed subsequently executed normally.

Hardware compatibility tests run to completion without error.

Test suites execute successfully.

- Test/Data files are created in the correct directories without error.
- Files copied from client to server and back compare to the original with 0 errors reported.
- Clients remain connected.

Industry standard test suites run to completion with zero errors reported.

Operating Systems Tested

OS Versions	Areas Tested
Microsoft Windows 2000 Professional, SP/5	HCA, NT
Microsoft NT v4.0 Enterprise Server SP/6	NT, Stress
Microsoft Windows NT v4.0 J SP/4	NT
Novell NetWare v5.1 SP/4	NetWare, Stress
Novell NetWare v4.2 SP/8	NetWare
Novell NetWare v5.0J	NetWare
SCO OpenServer v5.0.5	Unix
SCO UnixWare v2.1.3	Unix
SCO UnixWare v7.1	Unix, Stress

Hardware Tested

The following table contains a complete list of all hardware peripherals that were configured in the L440GX+ Server for these regression compatibility and stress runs. If the peripheral was part of the Hardware and Operating System Priority List provided in the product's test plan, its priority is provided under Priority Status. Any Notes associated with individual devices are provided in the Notes column.

Legend			
Stress – Stress Testing		7.1 – SCO UnixWare v7.1	
NT – NT Compatibility Area		2.1.3 - SCO UnixWare v2.1.3	
NetWare – NetWare Compatibility Area		5.1 - Novell NetWare v5.1	
Unix – Unix Compatibility Area		4.2 – Novell NetWare v4.2	
HCA – Hardware Compatibility Area		J – Novell NetWare v5.0J	
SCO – SCO OpenServer v5.0.5		2000 – Windows 2000	
NT J - Windows NT Server v4.0J		ES – Windows NT Server v4.0 Enterprise	
Hardware	Priority Status	Areas - Operating System(s)	Notes
CD-ROM Drives			
Hitachi* CDR-8330	N/A	NT – 2000, ES, NT J	
Hitachi CDR-8335	N/A	HCA – 2000; NetWare – 4.2; Unix – 7.1, 2.1.3, SCO	
Floppy Drive			
Teac* FD-235HF	N/A	HCA	
Mitsubishi MF355F	N/A	NT; Unix	
Hard Disk Controllers			
Adaptec* AIC-7880UW	N/A	NT - ES	
Adaptec AIC-7896	N/A	HCA – 2000; NT – 2000, NT J; NetWare – 5.1, 4.2, J; Unix – 7.1, 2.1.3, SCO; Stress - ES	
Adaptec ARO-1130U2	1	Stress – ES, 5.1, 7.1	
Qlogic QLA2100/66	1	Stress – ES, 5.1, 7.1	
Symbios* SYM22910	1	Stress – ES, 5.1, 7.1	
Hard Disk Drives			
Fujitsu MPE3084AE	N/A	HCA - 2000	
Seagate* Cheetah 9LP ST34502WC	N/A	NT – 2000, ES; Unix – 7.1, 2.1.3, SCO	
Seagate Medalist Pro 9140 Series	N/A	NT - NT J	

Legend

Stress – Stress Testing	7.1 – SCO UnixWare v7.1
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NetWare – NetWare Compatibility Area	5.1 - Novell NetWare v5.1
Unix – Unix Compatibility Area	4.2 – Novell NetWare v4.2
HCA – Hardware Compatibility Area	J – Novell NetWare v5.0J
SCO – SCO OpenServer v5.0.5	2000 – Windows 2000
NT J - Windows NT Server v4.0J	ES – Windows NT Server v4.0 Enterprise

Hardware	Priority Status	Areas - Operating System(s)	Notes
ST34520WC			
Seagate Barracuda 9LP ST34573LC	N/A	NetWare – 5.1, 4.2, J	
Keyboards			
Dell QuietKey	N/A	NetWare	
NMB* RT-2258TW	N/A	NT; Unix	
Modems			
Aztech* MDP7800-U	N/A	HCA - 2000	
Monitors			
Mag Innovision DXF-15	N/A	HCA; NetWare; Unix	
Sony* Trinitron MS15SFII	N/A	NT	
Mouse			
Logitech* PS/2	N/A	NetWare; Unix	
Microsoft* Ergomouse	N/A	HCA - 2000	
Microsoft Mouse Port 2.1A	N/A	NT	
Network Interface Cards			
3Com* EtherLink III ISA 3C509B-TX	N/A	NetWare – 5.1, 4.2	
3Com Fast EtherLink XL Parallel Tasking 10/100 3C905B-TX	2	NetWare - J	
3Com Fast EtherLink PCI 100 3C980-TX	1	Stress – ES, 5.1, 7.1	
EiconCard* P92	N/A	NetWare – 5.1	
Intel® EtherExpress™ PRO/100 Intelligent Server Adapter	1	Stress – ES, 5.1, 7.1	
Intel 82559	N/A	NT – 2000, ES, NT J; NetWare – 5.1, 4.2, J; Unix – 7.1, 2.1.3, SCO; Stress – ES, 5.1, 7.1	
Printer			
Hewlett Packard* LaserJet 5	N/A	NetWare	
Sound Card			
ASA* Aureal SQ-2500	N/A	HCA - 2000	
Video Adapters (PCI)			
Cirrus Logic CL-GD5480 (Onboard)	N/A	HCA – 2000; NT; NetWare; Unix; Stress - ES	