Enterprise Server Group
Intel BB440FX DP Server
Supported Hardware/OS List

Released
Revision 1.0

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Revision History		
Date	**Rev**	**Modifications**
1/97	1.0	Initial release

1. Supported Hardware and Operating Systems

1.1. Introduction

The selection of products in these tables coincide with trends for the period of time the system was undergoing testing and is provided as a convenience to our customers only. As the market segment shifts, changes in testing procedure including the addition of new equipment , or updated versions of operating systems, or alterations in the configuration of product and operating system may occur which affect validation. Validation is a process of rigorous testing that attempts to verify onboard features and add-in peripherals function with the test platform at the time of the test. **This list of product tested or validated by Intel, therefore, is subject to the disclaimer on the front cover . The customer is responsible for running appropriate tests on its products before shipment to computer end-users or installation in its facilities.**

1.2. Test Strategy

To identify any 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.

1.3. Key Specifics

The BB440FX DP Server Supported Hardware/Operating System list reflects the peripherals and operating systems which were evaluated through Intel internal testing of the BB440FX DP Server product. This list has been compiled from the test suites of two internal testing labs; the Compatibility Engineering Lab (iCEL), and the Server Validations Lab (SVL). The following key specifics define the Hardware/Operating System combinations evaluated and the corresponding testing lab. A blank box indicates that the Hardware/Operating System combination has not been evaluated in testing.

The iCEL testing process evaluates the performance of a system by utilizing a wide variety of add-in cards and hardware and verifying their compatibility. The testing completed in this facility focuses on testing with a wide variety of add-in equipment. To encompass this quantity of hardware, testing time is limited. The peripherals utilized in iCEL testing are noted in the following tables with the letter "C", signifying that combination of hardware/operating system was tested and found to be compatible with the system.

The SVL provides a more in-depth series of test suites, focusing on Board Set validation. The testing completed in this facility is more extensive than the test suites performed in iCEL. The focus in SVL testing is on the validation of onboard features and baseboard functionality with add-in equipment. Although there is less of an array of peripherals used in SVL test suites, the testing is more intense. A combination of Hardware/Operating System that was tested in the Server Validation Lab is noted with a "V", signifying that it has been validated.

Additionally, an asterisk may appear in these tables. This asterisk denotes that an issue has appeared during testing. The failure may be the result of any number of factors, including third-party issues with the hardware or operating system, device drivers etc. and does not necessarily indicate a baseboard failure. Details of all failures reported in this list will be tracked and may appear in the testing reports generated in the iCEL or SVL testing facility.

A configuration that is said to pass during Intel's testing procedures does not guarantee the test is repeatable. Many factors affect the outcome of the test which 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.

Table 1: CD-ROM Drives, Controllers, & FAX/Modem

	Artisoft LANtastic 6.0	Banyan VINES V6.0	IBM LAN Server 4.0 Adv.	MS-DOS v6.22	MS Windows v3.11	MS Windows 95	MS Windows NT v3.51	MS Windows NT v4.0	Novell NetWare v3.12	Novell NetWare v4.11	Novell NetWare SFT-III	OS/2 v2.11 SMP	OS/2 v3.0 Warp	SCO OpenServer v5.0	Solaris v2.5	UnixWare v2.1
CD-ROM Drives																
Diamond Stingray 8422 (int, IDE)						C										
MicroSolutions Backpack 8X (ext, EPP)						C										
NEC CDR 502 (int, SCSI)						C										
NEC CDR 601 (int, SCSI)						C										
NEC CDR 1350A (int, SCSI)						C										
Pioneer DRM-604X (ext, SCSI)				C												
Plextor PX-6CH (int, SCSI)						C										
Plextor PX-8CH (int, SCSI)						C										
Sony CDU76E (int, IDE)				C		C										
Sony CDU76S (int, SCSI)							V			V		V				V
TEAC CD-56E (int, IDE)						C										
Toshiba XM-3401 (int, SCSI)			C				C	C	C	C				C		C
Toshiba XM-3501B (int, SCSI)						C										
Toshiba XM-3701 (int, SCSI)						C										
Toshiba XM-5302B (int, IDE)						C										
Controllers																
Onboard Adaptec AIC-7880 SCSI	C	C	C	C	C	C	C,V	C	C	C,V	C	C,V	C	C	C	C,V
Onboard Intel 82440FX (PCI/IDE)	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Onboard National 87308 (ISA/IDE)	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Adaptec 1520B (ISA/SCSI)							V			V		V				V*
Adaptec 2920 (PCI/SCSI)						C*										
Adaptec 2930 (PCI/SCSI)						C										
Adaptec 2940 (PCI/SCSI)		C		C		C										
Adaptec 2940UW (PCI/SCSI ultra wide)															C	
Adaptec 3940 (PCI/SCSI)				C												
Adaptec 3940UW (PCI/SCSI ultra wide)							V			V		V				V
BusLogic BT-948 (PCI/SCSI)						C*										
BusLogic BT-958 (PCI/SCSI)						C*										
DPT PM3334 RAID (PCI/SCSI)							V			V		V				V
Inito INI 9100 (PCI/SCSI)						C										
Mylex DAC960LB RAID (PCI/SCSI)										C						
Mylex DAC960PL-2A RAID (PCI/SCSI)							V			V		V				V
Qlogic FastSCSI IQ (PCI/SCSI)						C										
Symbios 8751SP (PCI/SCSI ultra)							V			V		V*				V
Western Digital 7197 (PCI/SCSI)						C										
FAX/Modems																
Cardinal MVP288IS							C	C								
Hayes Optima 288 v.34+FAX (PCMCIA)							C	C								
Intel Teladdin							C	C								
Motorola OnlineSURFR 28.8							C	C								
Penril 2332-01																C
SupraFAXModem 288i INT PnP							C	C								
U.S. Robotics Courier Everything v34							C	C								

NOTE: C = Compatible, V = Validated, * = Issue

Table 2: *Floppy Drives, Hard Drives*

	Artisoft LANtastic 6.0	Banyan VINES V6.0	IBM LAN Server 4.0 Adv.	MS-DOS v6.22	MS Windows v3.11	MS Windows 95	MS Windows NT v3.51	MS Windows NT v4.0	Novell NetWare v3.12	Novell NetWare v4.11	Novell NetWare SFT-III	OS/2 v2.11 SMP	OS/2 v3.0 Warp	SCO OpenServer v5.0	Solaris v2.5	UnixWare v2.1
Floppy Drives																
Epson SMP-1340 (3.5-in. 3-Mode)				C												
Panasonic JU-256A106P (3.5-in. 3-Mode)				C												
TEAC FD-235HF (3.5-in. 1.44MB)						C	C	C								
TEAC FD-235J (3.5-in. 2.88MB)				C												
TEAC FD-505 (dual 1.44/1.2MB)		C	C	C			C	C	C	C		C				C
Hard Drives																
Conner CFP 1060S (SCSI)												C				
Conner CFP 1060W (SCSI wide)				C												
Conner CFP 1080S (SCSI)												C		C		C
Conner CFP 1275A (Mode 4 EIDE)				C												
Conner CFP 2107E (SCSI)							V			V		V				V
Conner CFP 2107W (SCSI wide)										C	C					
Digital DSP1370L (SCSI)				C												
Fujitsu M1606SAU (SCSI)						C										
Fujitsu M2934C-512 (SCSI)				C												
Maxtor MXT1240S (SCSI)				C												
Maxtor MXT7345AT (IDE)				C		C										
Micropolis MC2217A (IDE)				C												
Quantum FB2110AT (IDE)														C		C
Seagate ST5660N (SCSI)							C	C								
Seagate ST11950N (SCSI)				C												
Seagate ST12450W (SCSI wide)				C												
Seagate ST15150W (SCSI wide)							C	C								
Seagate ST31220A (IDE)				C												
Seagate ST31230N (SCSI)							V			V		V				V
Seagate ST31230W (SCSI wide)							V			V		V				V
Seagate ST31230WC (SCSI fast wide)							V			V		V				V
Seagate ST31250WC (SCSI fast wide)							V			V		V				V
Seagate ST32140A (IDE)			C	C												
Seagate ST32151WC (SCSI fast wide)							V			V		V				V
Seagate ST32550N (SCSI)														C		
Seagate ST51080N (SCSI)							V			V		V				V
Western Digital AC170A (IDE)				C												
Western Digital AC1270 (IDE)		C		C												
Western Digital AC2540 (IDE)			C				V			V		V				V
Western Digital AC21000H (EIDE)				C												
Western Digital AC31600H (EIDE)				C												

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Table 3: *Input Devices*

	Artisoft LANtastic 6.0	Banyan VINES V6.0	IBM LAN Server 4.0 Adv.	MS-DOS v6.22	MS Windows v3.11	MS Windows 95	MS Windows NT v3.51	MS Windows NT v4.0	Novell NetWare v3.12	Novell NetWare v4.11	Novell NetWare SFT-III	OS/2 v2.11 SMP	OS/2 v3.0 Warp	SCO OpenServer v5.0	Solaris v2.5	UnixWare v2.1
Keyboards																
BTC AT						C										
Cirque GlidePoint						C										
Hi-Tek PS/2						C										
KeyCat II						C										
Kinesis Ergo Model 120						C										
Intel RT-101			V				V			V		V				V
Microsoft Natural PS/2						C										
NMB RT-101	C	C	C	C			C	C	C	C	C	C				C
NMB TR-6671						C										
Mice																
Cirque GlidePoint Desktop Trackpoint						C										
Cirque GlidePoint Keyboard						C										
Logitech Ergonomic						C										
Logitech M-S35						C	C	C								C
Logitech PS/2 Standard Mouse							C									
Logitech Trackball						C										
Logitech Trackman Marble Trackball						C										
Logitech PS/2 Cordless Mouse						C										
Microsoft Ergo PS/2 Mouse			V				V			V		V				V
Microsoft Home Serial			C		C											
Mitsumi PS/2		C										C				

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Table 4: *Network Interface Cards*

Network Interface Cards	Artisoft LANtastic 6.0	Banyan VINES V6.0	IBM LAN Server 4.0 Adv.	MS-DOS v6.22	MS Windows v3.11	MS Windows 95	MS Windows NT v3.51	MS Windows NT v4.0	Novell NetWare v3.12	Novell NetWare v4.11	Novell NetWare SFT-III	OS/2 v2.11 SMP	OS/2 v3.0 Warp	SCO OpenServer v5.0	Solaris v2.5	UnixWare v2.1
Onboard Intel 82557 PCI			V				C,V	C		C,V		C,V		C	C	C,V
3Com 3C509B (EI)				C			C	C								
3Com 3C590 EtherLink III (PCI)			C			C	C	C	C	C	C					
3Com 3C595-TX PCI			V				C,V	C	C	V		V				V
AMD PCNet PCI									C							
Cogent eMaster+ EM964 PCI									C							
D-Link DE-220PCT							C	C								
IBM 25H3501 (EI)			V				V			V		V				V
IBM Token Ring 16/4 ISA-16		C	C													
IBM Token Ring 16/4 II			C				C	C								
IBM Token Ring Auto 16/4 ISA							C	C								
IBM Auto LANStreamer			C				C	C	C							
Intel EtherExpress 16		C	C				C	C	C							
Intel EtherExpress PRO 10A (PnP)			C				C	C	C							
Intel EtherExpress PRO 10 (PCI)			C				C	C	C							
Intel EtherExpress PRO 10FX (PnP)									C							
Intel EtherExpress PRO 100 (EP)			C				C	C	C							
Intel EtherExpress PRO 100B (PCI)			C,V				C,V	C		V	C	V				V
Intel EtherExpress PRO 100SA (PCI)							C	C			C					
Intel TokenExpress PRO (ISA)							C	C	C							
Intel TokenExpress 16/4s			C													
Madge Smart 16/4 AT Ringnode							C	C	C							
Madge Smart 16/4 PCI Ringnode							C	C	C							
Novel Eagle NE2000plus							C	C	C							
Olicom PCI Token-Ring							C	C	C							
RNS 2340TX PCI			V				V			V*		V*				V*
Racal InterLAN PCI T2							C	C	C							
SMC 9332DST			V				V			V		V				V
SMC EtherEZ (ISA)							C	C	C							
SMC EtherPower 10/100 PCI							C	C								
SMC TokenCard Elite (ISA)							C	C								
ZNYX ZX312 EtherAction (PCI)			C				C	C								

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Table 5: Printers & Add-in cards

	Artisoft LANtastic 6.0	Banyan VINES V6.0	IBM LAN Server 4.0 Adv.	MS-DOS v6.22	MS Windows v3.11	MS Windows 95	MS Windows NT v3.51	MS Windows NT v4.0	Novell NetWare v3.12	Novell NetWare v4.11	Novell NetWare SFT-III	OS/2 v2.11 SMP	OS/2 v3.0 Warp	SCO OpenServer v5.0	Solaris v2.5	UnixWare v2.1
Printers																
Hewlett-Packard DeskJet 520																
Hewlett-Packard DeskJet 540C			V				V			V		V				V
Hewlett-Packard DeskJet 660C (ECP)																
Hewlett-Packard LaserJet IIP												C				
Hewlett-Packard LaserJet 4 Plus			V				V			V		V				V
Hewlett-Packard LaserJet 5 Plus				C												C
Panasonic KC-P2123	C	C					C	C	C	C	C					
Sound Cards																
Logitech Soundman Wave						C										
Sound Blaster 16 Value						C	C	C								
Sound Blaster 16 ViBRA						C										
Sound Blaster AWE32						C										
Sound Blaster Pro II															C	
Tape Drives																
Archive Python 2150S (SCSI,Tape)			C											C		
Archive Python 4326S (SCSI,DAT)							C	C						C		
Archive Viper 2150S (SCSI, Tape)																
Backpack 800TD (EPP parallel, Tape)				C												
Colorado Jumbo 250 (Floppy, Tape)				C												
Colorado Trakker 350 (Parallel, Tape)				C												
Conner 4326NP (SCSI, DAT)														C		C
Conner 51250Q (Floppy, Tape)				C												
Conner CTMS 3200E (SCSI, DAT)																
Conner TapeStor 4000 (Floppy, Tape)																
Conner TSM850R-FBE (Floppy, Tape)				C												
HP SureStore 1528F																
HP SureStore 6000I																
Iomega Tape 250 (Floppy, Tape)				C												
Tandberg TDC 3820																

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Table 6: *Video Adapters*

	Artisoft LANtastic 6.0	Banyan VINES V6.0	IBM LAN Server 4.0 Adv.	MS-DOS v6.22	MS Windows v3.11	MS Windows 95	MS Windows NT v3.51	MS Windows NT v4.0	Novell NetWare v3.12	Novell NetWare v4.11	Novell NetWare SFT-III	OS/2 v2.11 SMP	OS/2 v3.0 Warp	OS/2 v4.0 Warp Server	SCO OpenServer v5.0	Solaris v2.5	UnixWare v2.1
Video Adapters																	
Onboard Cirrus 54M40	C	C	C,V	C	C	C	C,V	C	C	C,V	C	C,V	C	C	C	C	C,V
#9 9FX Motion531 2MB (PCI)																	
#9 GXE 64 2MB (PCI)																	
#9 GXE 64 Pro 2MB (PCI)						C											
#9 GXE 64 Trio 2MB (PCI)						C											
#9 Imagine 128 2MB (PCI)						C											
ATI Graphics Xpression 2MB (PCI)						C											
ATI Pro Turbo 4MB (ISA)						C											
ATI Pro Turbo 4MB (PCI)																	
ATI Win Boost 2MB (PCI)						C											
Hercules Dynamite Power 2MB DRAM (PCI)						C*											
Hercules Graphite Terminator 64 2MB DRAM (PCI)						C											
Hercules Graphite Terminator 64 video w/MPEG 2MB DRAM (PCI)						C											
Matrox Millennium 3D 4MB (PCI)						C											
Orchid Fahrenheit 64 2MB (PCI)																	
STB PowerGraph 64 1MB (PCI)						C											
STB PowerGraph 64V 2MB (PCI)																	
WD Paradise Barbados 64 2MB (PCI)						C											
WD Paradise Pipeline 2MB (PCI)						C											
Video Expansion Cards																	
Intel ProShare VC200 v1.9a						C											
Smart Video Recorder						C											
Hauppauge Win / TV						C											

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