



ABIT Computer Corporation

**Hardware Compatibility List
V1.0**

**SI-2Ns44X Series
SI-2Ns441/SI-2Ns442/SI-2Ns443**

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SI-2Ns441 Specification V1.0

CPU

- Supports dual Intel® Xeon (Nocona) FSB 800 MHz up to 3.80 GHz and higher.

Chipset

- Intel 7320
- Intel ICH5
- Intel PXH * 2

Networking Security

- Onboard one Cavium CN-1120 Security Micro Processor support IPSec/SSL

VGA

- On board ATi Rage XL PCI interface VGA (default 4MB, optional 8MB SDRAM)

Memory

- Four 240-pin DIMM sockets
- Supports 144-bit wide dual channel DDR II 400 memory
- Up to 16 GB, ECC Registered memory capacity

LAN

- Intel 82546EB dual ports 64-bit Gigabit Ethernet Controllers * 4

System BIOS

- Supports Plug-and-Play (PNP)
- Supports Advanced Configuration Power Interface (ACPI)
- Write-Protect Anti-Virus function by AWARD BIOS
- 4MB Flash ROM

Expansion Slot

- One PCI-X 64bit/133MHz (3.3V)

Internal I/O Connectors

- One 44pin IDE connector
- Two port SATA connectors
- One VGA header
- One COM port header (COM2)
- One USB 2.0 header (Each header support two USB 2.0 devices)
- One LPC debug header
- One Printer port header
- One SM Bus header (For SM Bus and I²C)
- One 50pin IDE interface Compact Flash Type II socket
- One Fiber FP-NIC LED header
- One Copper FP-NIC LED header

Front Panel I/O

- One Dual USB 2.0
- One COM port (COM1)
- Four Optical SPF GbE LAN connector
- Four RJ-45 w/ Transformer and LED single port LAN connector (GbE)

Miscellaneous

- EEB 3.51 form factor (12" * 13")
- Hardware monitoring – Including Fan speeds, Voltages, System environment temperature
- Chassis intrusion detector
- 3.3V 64-bit riser card supported (Optional)



Compatibility List

CPU					
Vender	Model	Core Voltage	Multiplier	Operating Speed	Result
Intel	Nocona	1.296	15	200	Pass
Intel	Nocona	1.336	16	200	Pass
Intel	Nocona	1.296	17	200	Pass
Intel	Nocona	1.216	18	200	Pass
Memory Module					
Module/Chip Vender	Capacity	Speed	Chip P/N	D/S/R/E	Result
Samsung / Samsung	256MB	DDR2400	K4T56083QF-GCCC	S-R-ECC	Pass
Samsung / Samsung	512MB	DDR2400	K4T51083QB-GCCC	S-R-ECC	Pass
Samsung / Samsung	1GB	DDR2400	K4T51083QB-GCCC	D-R-ECC	Pass
Kingmax / ELPIDA	512MB	DDR2400	E5108AB-5C-E	S-R-ECC	Pass
Power Supply					
Vender/Model	Peak Output	+3.3v/+5v/+12v current		+5V _{SB}	Result
Zippy/6460P	460W	28A / 40A / 20A		2.0A	Pass
Etasis / Efab461	460W	30A / 40A / 27A		2.0A	Pass
PCI SCSI / RAID Cards					
Vender	Model	Host	Speed	Interface	Result
Adaptec	ASC-39160	SCSI	U160	PCI-X	Pass
Adaptec	ASC-39320	SCSI	U320	PCI-X	Pass
LSI Logic	LSI20320	SCSI	U320	PCI-X	Pass
3Ware	8506-8	RAID	ATA-150	Serial ATA	Pass
Adaptec	ASR-3210S	RAID	U160	PCI-X	Pass
PCI LAN Cards					
Vender	Model	Speed	Interface	Result	
3COM	3C996B-T	1000/100/10	PCI-X	Pass	
Intel	1000T(82544GC)	1000/100/10	PCI	Pass	
3COM	3C905-T	100/10	PCI	Pass	
Mouse					
Vender	Model	Interface	Result		
Logitech	M-MM43	Serial port	Pass		
DEXIN	A2R800A	Serial port	Pass		
Logitech	M-S34	PS2	Pass		
Logitech	M-S43	PS2	Pass		
Logitech	M-S38	PS2	Pass		
Microsoft	Intell Mouse	USB port	Pass		
Logitech	M-BJ79	USB port	Pass		
Logitech	M-BJ58	USB port	Pass		
Keyboard					
Vender	Model	Interface	Result		
Genuine	K288	PS2	Pass		
Compaq	6511-VA	PS2	Pass		
Microsoft	Naturl Keyboard Pro	PS2	Pass		
Logitech	Y-RC14	USB port	Pass		
acer	6511-UB	USB port	Pass		
Zippy	WK610	USB port	Pass		



Floppy				
Vender	Type	Interface	Result	
Panasonic	JU-256A347P	FDD	Pass	
MITSUMI	D35M3	FDD	Pass	
SONY	MPF82E-V1/111	USB port	Pass	
Storage Devices				
Vender	Model	Interface	Transfer Mode	Result
Seagate	ST3120026A/120G	Parallel ATA	ATA-100	Pass
Maxtor	7Y250P0/250G	Parallel ATA	ATA-133	Pass
WDC	WD1800BB/180G	Parallel ATA	ATA-100	Pass
HITACH	HDS724040KLAT80/400G	Parallel ATA	ATA-133	Pass
Maxtor	7Y250M0/250G	Serial ATA	ATA-150	Pass
Seagate	ST3120023AS/120G	Serial ATA	ATA-150	Pass
WDC	WD740GD/74G	Serial ATA	ATA-150	Pass
Seagate	ST3184MP	SCSI	Ultra160	Pass
Seagate	ST336607LW	SCSI	Ultra320	Pass
IBM	IC25n030ATDA04-0/30G	USB port	USB 2.0	Pass
ATAPI Devices				
Vender	Model	Interface	Transfer Mode	Result
Pioneer	DVD-ROM / DVD121	Parallel ATA	ATA-66	Pass
LITE-ON	CD-ROM / LTD-163	Parallel ATA	ATA-33	Pass
SONY	DVD-ROM / DDU1621	Parallel ATA	ATA-33	Pass
SONY	CD-ROM / CDU5211	Parallel ATA	ATA-33	Pass
TEAC	CD-ROM / CD-552E	Parallel ATA	ATA-33	Pass
TEAC	CD-RW / CD-W28PU	USB port	USB 2.0	Pass
IOGER	CD-ROM / GCD161040	USB port	USB 2.0	Pass
SONY	CD-ROM / DRX-500ULX	USB port	USB 2.0	Pass
IOMEGA	ZIP250 / Z250UBS	USB port	USB 2.0	Pass
Card Reader				
Vender	Model	Type	Result	
Apacer	AP-CF256C-Steno pro/256M	Compact Flash	Pass	
IBM	PSCM-11000	Compact Flash	Fail	
Printer				
Vender	Model	Interface	Result	
Epson	Stylus Color 880	Parallel port	Pass	
Modem				
Vender	Model	Interface	Result	
ADI	CommuPack/56K	Serial port	Pass	
Lemel	HD56KVT-E	Serial port	Pass	
HUB				
Vender	Model	Interface	Result	
D-LINK	DU-H4/A	USB port	Pass	