

Comments to report: Seagate ST34311 697 PwrON 4.3Go

CPU is in V86 mode: No  
Processor : AMD Athlon(tm)XP 1800+  
Frequency via TSC : 1533.38 MHz  
External clock : 133.34 MHz x 11.5  
CPUID (TFMS) : 0662 Codename: Palomino (0.18um)  
Feature : 0383FBFFh MMX(tm):Yes, IA SSE:Yes, IA SSE2:No  
Extended CPUID : 0762  
CPU Name String : AMD Athlon(tm) XP 1800+  
Extended Feature : C1C3FBFFh 3DNow!(tm):Yes, 3DNow! Extensions:Yes  
L1 Cache size : 128 KB  
L2 Cache size : 256 KB  
CPU speed index : 1800.59

Total memory size : 512 MB (DDR-SDRAM PC2700)  
Memory Bandwidth : 1875.94 MB/s

AGP Video : WinFast A170 DDR (GeForce4 MX 440) GUI+3D Accelerator  
Support AGP rate : 1x, 2x, 4x  
AGP Operations : Disabled  
AGP SBA : Not Supported  
AGP Fast Writes : Supported, Status: Disabled  
AGP Status Reg. : 1F000017h  
AGP Command Reg. : 00000000h  
Total video memory: 64 MB

VESA OEM String : WinFast VGA BIOS.  
VESA video memory : 65536 KB (62444 KB/s)

Hard drive 0 : 24321C 255H 63S 186.31 GB  
+----- Model (PM): ST3200822A  
Hard drive 1 : 525C 255H 63S 4.02 GB  
+----- Model (PS): ST34311A  
Tested in FULL mode  
Average/Max seek time : 12.12 ms / 18.81 ms  
Random seek time : 10.96 ms  
Track-to-track seek : 2.76 ms  
Random access time : 16.28 ms  
Linear verify speed : 13054 KB/s  
Min/Max verify speed : 8852 KB/s / 16036 KB/s  
Linear read speed : 13064 KB/s  
Min/Max read speed : 8851 KB/s / 16037 KB/s  
Buffered read speed : 41611 KB/s  
Hard Drive speed index : 277.99  
Hard drive 2 : 126C 63H 32S 124 MB

Mainboard chipset : VIA KT266/A,KT333  
Mainboard model : MSI MS-6380E  
BIOS vendor : American Megatrends, Inc. (07/10/02)  
OS version : MS-DOS 7.10

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ATA/ATAPI Device Information

IDE0---Master-<ATA-6>- ST3200822A  
| Cylinders: 16709, Heads: 255, Sectors: 63 (128.00 GB)  
| Serial Number : 4LJ0YLLX0  
| Firmware Revision : 3.01  
| Maximum Transfer Mode : PIO 4, DMA 2, UDMA 5 (ATA-100)

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|       Selected DMA Transfer Mode       : UDMA 5
|       Cache Buffer Size                 : 8192 KB
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+-Slave--<ATA-4>- ST34311A
  Cylinders: 8944, Heads: 15, Sectors: 63 (4.03 GB)
  Serial Number                       : 5BF21T55
  Firmware Revision                    : 8.01
  Maximum Transfer Mode                 : PIO 4, DMA 2, UDMA 4 (UltraDMA/66)
  Selected DMA Transfer Mode           : UDMA 4
  Cache Buffer Size                     : 256 KB

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IDE1---Master-<ATAPI>- HL-DT-STDVD-ROM GDR8160B
|       Firmware Revision                 : 0009
|       Maximum Transfer Mode             : PIO 4, DMA 2, UDMA 2 (UltraDMA/33)
|       Selected DMA Transfer Mode       : UDMA 2
|       Maximum Transfer Speed           : 8467 KB/s (48X)
|       Selected Transfer Speed          : 3528 KB/s (20X)
|       Cache Buffer Size                 : 512 KB
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+-Slave--<ATAPI>- HL-DT-ST GCE-8320B
  Firmware Revision                    : 1.04
  Maximum Transfer Mode                 : PIO 4, DMA 2
  Maximum Transfer Speed                : 5644 KB/s (32X)
  Selected Transfer Speed                : 5644 KB/s (32X)
  Maximum Write Speed                   : 1762 KB/s (10X)
  Selected Write Speed                  : 1762 KB/s (10X)
  Cache Buffer Size                      : 2048 KB

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IDE2---Master-<Empty>

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+-Slave--<Empty>

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IDE3---Master-<Empty>

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+-Slave--<Empty>

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Cache/Memory Benchmark

	Read	Write	Move	Average
Cache Level 1	2937.91 MB/s	5865.06 MB/s	4404.17 MB/s	4402.38 MB/s
Cache Level 2	2570.57 MB/s	3269.01 MB/s	2037.58 MB/s	2625.72 MB/s
Memory	573.47 MB/s	508.99 MB/s	382.17 MB/s	488.21 MB/s

MMX(tm) Cache/Memory Benchmark

	MMX Read	MMX Write	MMX Move	Average
Cache Level 1	18679.19 MB/s	11708.66 MB/s	7536.19 MB/s	12641.35 MB/s
Cache Level 2	4541.67 MB/s	4602.64 MB/s	2809.80 MB/s	3984.70 MB/s
Memory	1123.33 MB/s	596.15 MB/s	520.04 MB/s	746.51 MB/s

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Memory Modules Information

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SMBus/i2c Host Controller       : VIA VT8233A, I/O: 0400h

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<Slot 0>

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+----- SPD-EEPROM Checksum      : OK
  Memory Module Size              : 512 MB
  Memory Type                     : DDR-SDRAM PC2700

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Technology : 16x[32Mx8], 256 Mbit  
SDRAM Cycle time (tCYC) : 6.0ns (167 MHz)  
Supported CAS# Latency : 2.5 (up to 167 MHz)  
Supported CAS# Latency : 2 (up to 133 MHz)  
Min. Row Precharge Time (tRP) : 18.0ns (2T up to 111 MHz)  
Min. RAS to CAS Delay (tRCD) : 18.0ns (2T up to 111 MHz)  
Min. RAS Pulse Width (tRAS) : 42ns (5T up to 119 MHz)  
Label : PC2700U-25330  
Manufacturer : Samsung  
Manufacturer's Part Number : M3 68L6423DTL-CB3  
Serial Number : 21735C11

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PCI/AGP Device Information [PCI 2.10, AGP 2.0 (4x)]

[00-00-0]  
+----- VEN\_1106, DEV\_3099, REV\_00, SUBSYS\_00001106  
VIA Tech VT8366/A,VT8367 Apollo KT266/A,KT333 CPU to PCI Bridge  
Class Code : 060000 - PCI to Host Bridge  
Memory Base Range 0 : E0000000 - E7FFFFFF (128MB)

[00-01-0]  
+----- VEN\_1106, DEV\_B099, REV\_00  
VIA Tech VT8366/A,VT8367 Apollo KT266/A,KT333 PCI to AGP Bridge  
Class Code : 060400 - PCI to PCI Bridge

[00-08-0]  
+----- VEN\_100B, DEV\_0020, REV\_00, SUBSYS\_F3111385  
National Semiconductor DP83815/16 Fast Ethernet Adapter  
(MacPhyter/MacPhyter-II)  
Class Code : 020000 - Ethernet Adapter  
I/O Base Range 0 : EC00 - ECFE (256)  
Memory Base Range 1 : DFFFFFF00 - DFFFFFFF (4KB)

[00-16-0]  
+----- VEN\_1106, DEV\_3038, REV\_80, SUBSYS\_30381106  
VIA Tech VT82xxxxx UHCI USB 1.1 Controller (All VIA Chipsets)  
Class Code : 0C0300 - USB (UHCI)  
I/O Base Range 4 : E000 - E01F (32)

[00-16-3]  
+----- VEN\_1106, DEV\_3104, REV\_82, SUBSYS\_31041106  
VIA Tech VT6202 USB 2.0 Enhanced Host Controller  
Class Code : 0C0320 - USB (UHCI)  
Memory Base Range 0 : DFFFEF00 - DFFFEFFF (256)

[00-17-0]  
+----- VEN\_1106, DEV\_3177, REV\_00, SUBSYS\_00001106  
VIA Tech VT8233A/VT8235 PCI to ISA Bridge  
Class Code : 060100 - PCI to ISA Bridge

[00-17-1]  
+----- VEN\_1106, DEV\_0571, REV\_06, SUBSYS\_05711106  
VIA Tech VT82C586/B,VT82C686A/B,VT8233/A EIDE Controller  
Class Code : 01018A - IDE Controller  
I/O Base Range 4 : FC00 - FC0F (16)

[00-17-5]  
+----- VEN\_1106, DEV\_3059, REV\_50, SUBSYS\_47201462  
VIA Tech VT8233 AC'97 Audio Codec  
Class Code : 040100 - Multimedia Audio Adapter  
I/O Base Range 0 : DC00 - DCFE (256)

[01-00-0]  
+----- VEN\_10DE, DEV\_0171, REV\_A3, SUBSYS\_2870107D  
WinFast A170 DDR (GeForce4 MX 440) GUI+3D Accelerator  
Class Code : 030000 - VGA Compatible Adapter  
Memory Base Range 0 : DE000000 - DEFFFFFF (16MB)  
Memory Base Range 1 : D0000000 - D7FFFFFF (128MB)  
Memory Base Range 2 : DDC80000 - DDCFFFFFF (512KB)

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