

Obsession settings for Hard disk C:

Settings used until 12-10-94

Maxtor:

Type=47, Cyln=936, Head=16, WPcom=0, LZone=936, Sect=17, Size=124MB

Quantum:

127AT: Type=47, Cyln=814, Head=9, WPcom=O, LZone=814, Sect=32, Size=114MB

170AT: Type=47, Cyln=968, Head=10, WRcom=O, LZone=968, Sect=34, Size=170MB

210AT: Type=47, Cyln=873, Head=13, WPcom=O, LZone=873, Sect=36, Size=210MB

Sittings used until 12-10-94

Quantum:

127AT: Type=47, Cyln=919, Head=16, Wpcom=O, LZone=919, Sect=17, Size=127MB.

170AT: Type=47, Cyln=1011, Head=15, WRcom=O, LZone=1011, Sect=22, Size=170MB.

210AT: Type=47, Cyln=723, Head=15, WPcom=O, LZone=723, Sect=38, Size=210MB.

240AT: Type=47, Cyln=723, Head=13, WRcom=O, LZone=723, Sect=51, Size=240MB.

270AT: Type=47, Cyln=944, Head=14, Wpcom=O, LZone=944, Sect=40, Size=270MB.

340AT: Type=47, Cyln=1011, Head=15, WRcom=O, LZone=1011, Sect=44, Size=340MB.

365AT: Type=47, Cyln=976, Head=12, WPcom=O, LZone=976, Sect=61, Size=365MB.

420AT: Type=47, Cyln=1011, Head=16, WPcom=O, LZone=1010, Sect=51, Size=420MB.

425AT: Type=47, Cyln=1021, Head=16, WRcom=O, LZone=1021, Sect=51, Size=425MB.

525AT: Type=47, Cyln=1017, Head=16, WPcom=O, LZone=1017, Sect=63, Size=425MB.

540 or above

In looking at a Quantum hard drive, the settings are listed as follows:

Z=C/H/S: 127=919/16/17; 170=1011/15/22; ...

Z = Drive size

C = Cylinders

H = Heads

S = Sectors

(Other manufactures may list the settings in similar way)

The landing zone is always the same as the Cyln = Number.

New note from Chris Price

2.1 Gig C/L 4092 Head 16 Sector 63

New Quantum Drives

1056 16 63

Use

1017 16 63

Dos 5.5 will not format the larger drive (above 525) correctly, 526MB

STANDARD CMOS SETUP
SIGMA Processor Board
AMI-BIOS ver 1.00)

Set date

Set time

Daylight Saving : Disabled

Hard disk C :

Maxtor: Type=47, Cyln=936, Head=16, WPcom=0, LZone=936, Sect=17, Size=124MB

Quantum:

127AT: Type=47, Cyln=814, Head=9, WPcc-m=O, LZone=814, Sect=32, Size=114MB

170AT: Type=47, Cyln=968, Head=10, WRcom=O, LZone=968, Sect=34, Size=170MB

210AT: Type=47, Cyln=873, Head=13, WPcom=O, LZone=873, Sect=36, Size=210MB

Hard disk D : Not Installed

Floppy drive A : 1.44MB 3 1/2"

Floppy drive B : Not Installed

Primary display : VGA/PGA/EGA

Keyboard : Not Installed

ADVANCED CMOS SETUP

Typematic Rate Programming : Enabled

Typematic Rate Delay (msec) : 500

Typematic Rate (Chars/Sec) : 15

Above 1 MD Memory Test : Disabled

Memory Test Tick Sound : Disabled

Memory Parity Error Check : Disabled

Hit Message Display : Enabled

Hard Disk Type 47 RAM Area : 0:300

Wait For <FI> If Any Error : Enabled

System Boot Up Num Lock : Off

Weiteck Processor : Absent

Floppy Drive Seek At Boot : Disabled

System Boot Up Sequence : A:, C: to instal software, then, C:, A:)

System Boot Up CPU Speed : High

Cache Memory : Both

Gate A20 Emulation : Both

Passwork Checking Option : Disabled

Video ROM Shadow C000,16K : Enabled

Video ROM Shadow C400,16K : Enabled

Adaptor ROM Shadow C800,16K : Disabled

Adaptor RON Shadow CC00,16K : Disabled

Adaptor ROM Shadow D000,16K : Disabled

Adaptor RON Shadow D400,16K : Disabled

Adaptor RON Shadow D800,16K : Disabled

Adaptor ROM Shadow DC00,16K : Disabled

Adaptor ROM Shadow E000,64K : Disabled

System ROM Shadow F000,64K : Enabled

6/27/94

ADVANCED CHIPSET SETUP
SIGMA Processor Board
AMI-BIOS ver 1.00

Auto-Configuration : Disabled
CPU Low Speed Clock : CLKIN
XA Bus Delay : Disabled
AT Bus Clock : CPUCLK/4
Keyboard Clock Selection : 7.2MHz
I/O Recovery Time Delay : 2 BCLK
Fast Cache Read Hit : Disabled
Fast Cache Write Hit : Disabled
Fast Page Mode DRAM : Disabled
DRAM Wait States : 2
Memory Remapping : Enabled
Memory above 16MB Cacheable : Yes
C0000-CSFFF,16K Cacheable : Yes
C4000-C7FFF, 16K Cacheable : Yes
CS000-CBFFF,16K Cacheable : No
CC000-CFFFF,16K Cacheable : No
D0000-D3FFF,16K Cacheable : No
U4000-D7FFF, 16K Cacheable : No
DS000-DSFFF,16K Cacheable : No
DC000-DFFFF, 16KCacheable : No
E0000-EFFFF, 64K Cacheable : Nr,
F0000-FFFFFF, 64K Cacheable : Yes
Non-Cacheable Block1 Enable : Disabled
Non-Cacheable Block-1 Size : 1MB
Non-Cacheable Block-1 Base : 0KB
Non-Cacheable Block2 Enable : Disabled
Non-Cacheable Block-2 Size : 16MB
Non-Cacheable Block-2 Bass : 0KB
Co-processor Ready# Delay ; Enabled
Check ELBA# Pin : T1
DMA CAS Timing Delay : Disabled
DMA Clock Select : SCLK/2

6/27/94

E. Prasser (updated by: J. Macaulay)
/obs/486setup.txt

STANDARD CMOS SETUP
SIGMA Processor Board
AMI-BIOS ver. 2. 01

Set date
Set time
Daylight Saving : Disabled
Hard disk C :
 Maxtor: type=47, Cyln=936, Head=16, WPcom=O, LZone=936, Sect=17, Size=104MB
 Quantum: type=47, Cyln=814, Head=9, WPcom=O, LZone=814, Sect=32, Size=114MB
 Quantum: type=47, Cyln=968, Head=10, WPcom=O, LZone=968, Sect=34, Size=170MB
 Quantum: type=47, Cyln=873, Head=13, WPcom=O, LZone=873, Sect=36, Size=210MB
Hard disk D . : Not Installed
Floppy drive A : 1.44MB 3 1/2"
Floppy drive B : Not Installed
Primary display : VGA/PGA/EGA
Keyboard : Not Installed

ADVANCED CMOS SETUP

Typematic Rate Programming : Enabled
Typematic Rate Delay (msec) : 500
Typematic Rate (Chars/Sec) : 15
Above 1 MB Memory Test ; Disabled
Memory Test Tick Sound : Disabled
Memory Parity Error Check ; Disabled
Hit Message Display : Enabled
Hard Disk Type 47 RAN Area : 0: 300
Wait For <FI> If Any Error : Enabled
System Boot Up Num Lock : Off
Weiteck Processor : Absent
Floppy Drive Seek At Boot : Disabled
System Boot Up Sequence : (A:, C; to install software, then, C:, A:)
System Boot Up CPU Speed : High
Cache Memory : Both
Gate A20 Emulation : Both
Turbo switch Function : Disabled
Password Checking Option : Disabled (Stepup)
Video ROM Shadow C000,16K : Enabled
Video ROM Shadow C100,16K : Enabled
Adaptor ROM Shadow C800,16K : Disabled
Adaptor ROM Shadow CC00,16K : Disabled
Adaptor ROM Shadow D000,16K : Disabled
Adaptor ROM Shadow D400,16K : Disabled
Adaptor ROM Shadow D800,16K : Disabled
Adaptor RON Shadow DC00,16K : Disabled
Adaptor ROM Shadow E000,64K : Disabled
System ROM Shadow F000,64K : Enabled
Boot Sector Virus Protection : Disabled

ADVANCED CHIPSET SETUP
SIGMA Processor Board
AMI-BIOS ver. 2.01

Low Speed CPU Clock, Select : CLKIN
I/O Recovery Time Delay : 2 ECLK
Memory Remapping : Enabled
E0000-POM Belongs to ATEUS : No
Memory above 16MB cacheable : Yes
C0000-C3FFF, 16K Cacheable : Yes
C4000-C7FFF, 16KCacheable : Yes
C8000-CBFFF, 16K Cacheable : No
CC000-CFFFF, 16K Cacheable : No
D0000-D3FFF, 16K Cacheable : No
D4000-D7FFF, 16K Cacheable : No
D8000-DBFFF, 16K Cacheable : No
DC000-DFFFF, 16K Cacheable : No
E0000-EFFFF, 64K Cacheable : No
F0000-FFFFFF, 64K Cacheable : Yes
Non-Cacheable Block-1 Enable : Disabled
Non-Cacheable Block-1 Size : 1K
Non-Cacheable Block-1 Base : 0K
Non-Cacheable Block-2 Enable : Disabled
Non-Cacheable Block-2 Size : 16K
Non-Cacheable Block-2 Base : 0K
Co-processor Ready# Delay : Enabled
Check ELBA# Signal ; T 1
RAS Time Out : Disabled
Force ALT Bit Active : No
Local Bus Ready Delay : Disabled
DMA Clock Select : SCLK/2

6/27/94
J. Macaulay
AMI201.TXT

STANDARD CMOS SETUP

AMI-BIDS
Teknor Processor Board

Hard disk C

Set according to settings on drive, or, Hard Drive Settings documentation.

Type=47, Cyln=###, Head=##, WPcom=O, Lzone=###, Sect=##, Size=???MB

(Type always=47, WPcom, always O, Lzone always=Cyln, Size set by CMOS)

Hard disk D: Type : Not Installed
Floppy drive A : 1.44MB 3 1/2"
Floppy drive B : Not Installed
Primary display : VGA/PGA/EGA
Keyboard : Not Installed

ADVANCED CMOS SETUP

Typematic Rate Programming : Enabled
Typematic Rate Delay (msec) : 500
Typematic Rate (Chars/Sec) : 15
Above 1 MB Memory Test : Disabled
Memory Test Tick Sound : Disabled
Memory Parity Error Check : Disabled
Hit Message Display : Enabled
Hard Disk Type 47 RAM Area : 0:300
System Boot Up Num Lock : Off
Floppy Drive Seek At Boot : Disabled
System Boot Up Sequence : (A:, C: to install software, than, C:, A:)
System Boot Up CPU Speed : High
Internal Cache Memory : Both
Fast Gate A20 Emulation : Both
Password checking Option : Setup
Adaptor ROM Shadow C800,16K : Disabled
Adaptor ROM Shadow CC00,16K : Disabled
Adaptor ROM Shadow D000,16K : Disabled
Adaptor ROM Shadow D400,16K : Disabled
Adaptor ROM Shadow D800,16K : Disabled
Adaptor ROM Shadow DC00,16K : Disabled
Adaptor ROM Shadow E000,64K : Disabled
System ROM Shadow E400,64K : Disabled
Adaptor ROM Shadow EB00,64K : Disabled
Adaptor ROM Shadow EC00,64K : Disabled
Shadow RAM Option : Both

ADVANCED CHIPSET SETUP

AMI-BIOS

Teknor Processor Board

Read Cycle Start Point : Mid T2
RAS Precharge Time : 2 CLK2s,
RAS to CAS Delay : 2 CLK2s
CAS Width For Read/Write : 1.5/1
RAS Time Out : Disabled
MA[10:0] & RAMW# Drive (mA) : 24-24-24
Refresh Mode : Sync
Refresh Type ; RAS ONLY
Refresh Period : 15.625
Page Mode : Enabled
Ext, Parity Error Input : Disabled
Parity generation : Enabled
Middle Bios : Disabled
RON Wait States : 1 W/S
Slow CPU Speed Emulation : /2
Slow CPU Clock Divider : /2
Fast BUS CLK Freq. Change : Disabled
Fast BUS CLOCK Region Addr : 0 KB
Fast BUS CLK Divider : /2
Slow BUS CLK Divider : /2
Extended DNA Mode : Disabled
Extended DNA Page : Lower
8-Bit DNA Wait States : 3 W/S
8-Bit DNA Wait States : 3 W/S
A Clock : SCLK/2
DMA MEMR# Signal Delay : Normal
1/0 Address Decode : 16 Bit
Slot Drive Current : 24 mA
Disk 1/0 Timing : Fast
Command Daisy - 1/0 Cycle : 1
Command Delay - Mem Cycle : 1
16 Bit Wait Status : 1 W/S
8 Bit Wait Status : 5 W/S
System Clock in sleep mode : Disabled
Fast Internal RC# : Enabled
Conditional Wait State : Enabled

5/15/95

J. Macaulay

ANITEK-2.TXT