

1.1.1. “M7VIG 400” Motherboard and “Phoenix – AwardBIOS” BIOS settings

Sometimes it is easier to use the “Load Optimized Defaults”, then change the BIOS settings (See column X for changes) .

To get into this BIOS, use the “**Delete**” key.

Here are the recommended BIOS settings

The Column X indicates a change from “Load Optimized Defaults”

Table 1, Phoenix BIOS for M7VIG 400 Motherboard

Phoenix – AwardBIOS		Value	X
Standard CMOS Features			
Date		(current date)	
Time		(current time)	
IDE Primary Master		(your C: hard drive)	
	IDE HDD Auto-Detection	[press Enter]	
	IDE Primary Master	[Auto]	
	Access Mode	[Auto]	
IDE Primary Slave		[None]	
	IDE HDD Auto-Detection	[press Enter]	
	IDE Primary Slave	[Auto]	
	Access Mode	[Auto]	
IDE Secondary Master		(your CD Drive)	
	IDE HDD Auto-Detection	[press Enter]	
	IDE Secondary Master	[Auto]	
	Access Mode	[Auto]	
IDE Secondary Slave		[None]	
	IDE HDD Auto-Detection	[press Enter]	
	IDE Secondary Slave	[Auto]	
	Access Mode	[Auto]	
Drive A		[None]	X
Drive B		[None]	
Video		[EGA/VGA]	
Halt On		[All, but keyboard]	
Advanced BIOS Features			
Boot Seq/Floppy Setup		[press enter]	
	First Boot Device	[CDROM]	X
	Second Boot Device	[HDD-0]	X
	Third Boot device	[Disabled]	X
	Boot other device	[Disabled]	X
	Swap Floppy Drive	[Disabled]	
	Boot Up floppy Seek	[Disabled]	X
Cache Setup		[press enter]	
	CPU Internal Cache	[Enabled]	
	External Cache	[Enabled]	
	CPU L2 Cache ECC Checking	[Enabled]	
	Video BIOS Shadow	[Enabled]	
Virus Warning		[Disabled]	
Quick Power On Self Test		[Enabled]	
Boot Up Numlock Status		[On]	
Gate A20 Option		[Fast]	
Typematic Rate setting		[Disabled]	

Security Option	[Setup]	
MPS Version Control For OS	[1.4]	
OS Select For DRAM > 64MB	[Non-OS2]	
Summary Screen Show	[Disabled]	
Advanced Chipset Features		
DRAM Clock/Drive Control	[Press Enter]	
DRAM Clock	[By SPD]	
DRAM Timing	[Auto by SPD]	
DRAM Burst Length	[4]	
DRAM Queue Depth	[4 level]	
DRAM Command Rate	[2T Command]	
Write Recovery Time	[3T]	
tWTR	[2T]	
AGP & P2P Bridge Control	[Press Enter]	
AGP Aperture Size	[128M]	
AGP Mode	[4X]	
AGP Driving Control	[Auto]	
AGP Fast Write	[Disabled]	
AGP Master 1 WS Write	[Disabled]	
AGP Master 1 WS Read	[Disabled]	
VGA Share Memory Size	[32M]	
CPU & PCI Bus Control	[Press Enter]	
PCI1 Master 0 WS Write	[Enabled]	
PCI2 Master 0 WS Write	[Enabled]	
PCI1 Post Write	[Enabled]	
PCI2 Post Write	[Enabled]	
Vlink 8X Support	[Enabled]	
PCI Delay Transaction	[Enabled]	
Memory Hole	[Disabled]	
System BIOS Cacheable	[Disabled]	
Video RAM Cacheable	[Disabled]	
Integrated Peripherals		
VIA OnChip IDE Device	[Press Enter]	
IDE DMA transfer access	[Enabled]	
OnChip IDE Channel0	[Enabled]	
OnChip IDE Channel1	[Enabled]	
IDE Prefetch Mode	[Enabled]	
Primary Master PIO	[Auto]	
Primary Slave PIO	[Auto]	
Secondary Master PIO	[Auto]	
Secondary Slave PIO	[Auto]	
Primary Master UDMA	[Auto]	
Primary Slave UDMA	[Auto]	
Secondary Master UMA	[Auto]	
Secondary Slave UDMA	[Auto]	
IDE HDD Block Mode	[Enabled]	
VIA OnChip PCI Device	[Press Enter]	
VIA-3058 AC97 Audio	[Auto]	
VIA-3068 MC97 Modem	[Disabled]	X
VIA-3043 OnChip LAN	[Disabled]	X
OnChip USB Controller	[All Enabled]	
OnChip EHCI Controller	[Enabled]	
USB Keyboard Support	[Disabled]	

	USB Mouse Support	[Disabled]	
	Super I/O Device	[Press Enter]	
	Onboard FDC Controller	[Enabled]	
	Onboard Serial Port 1	[3F8/IRQ4]	
	Onboard Serial Port 2	[Disabled]	
	Onboard Parallel port	[378/IRQ7]	
	Parallel port mode	[SPP]	
	Init Display First	[PCI Slot]	
Power Management Setup			
	ACPI Function	[Disabled]	X
	Power Management Option	[User Define]	
	HDD Power Down	[Disabled]	
	Suspend Mode	[Disabled]	
	Video Off Option	[Suspend -> off]	
	Video Off Method	[V/H SYNC+Blank]	
	Modem Use IRQ	[3]	
	HDD Down In Suspend	[Disable]	
	Soft-Off by PBTN	[Instant-Off]	
	PWRON After Pwr-Fail	[ON]	X
	IRQ/Event Activity Detect	[Press Enter]	
	VGA	[Off]	
	LPT & COM	[LPT/COM]	
	HDD & FDD	[ON]	
	PCI Master	[Off]	
	PowerOn by PCI Card	[Disabled]	
	Wake Up On LAN/Ring	[Disabled]	
	RTS Alarm Resume	[Disabled]	
	IRQs Activity Monitoring	[Press Enter]	
	Primary INTR	[Enabled]	
	IRQ3 (COM 2)	[Enabled]	
	IRQ4 (COM 1)	[Enabled]	
	IRQ5 (LPT 2)	[Enabled]	
	IRQ6 (Floppy Disk)	[Enabled]	
	IRQ7 (LPT 1)	[Enabled]	
	IRQ8 (RTC Alarm)	[Disabled]	
	IRQ9 (IRQ2 Redir)	[Disabled]	
	IRQ10 (Reserved)	[Disabled]	
	IRQ11 (Reserved)	[Disabled]	
	IRQ12 (PS/2 Mouse)	[Enabled]	
	IRQ13 (CoProcessor)	[Enabled]	
	IRQ14 (Hard Disk)	[Enabled]	
	IRQ15 (Reserved)	[Disabled]	
PnP/PCI Configurations			
	PNP OS Installed	[No]	
	Reset Configuration Data	[Disabled]	
	Resources Controlled by	[Auto(ESCD)]	
	PCI/VGA Palette Snoop	[Disabled]	
	Assign IRQ For VGA	[Enabled]	
	Assign IRQ For USB	[Enabled]	
PC Health Status			
	Shutdown Temperature	[Enabled]	
	Show H/W Monitor in POST	[Enabled]	
	Chassis Open Warning	[Disabled]	

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Frequency/Voltage Control		
CPU Clock	[100]	